



# ***Kuri Tec***<sup>®</sup>

***Leaders in Thermoplastic  
Hose Innovation  
and Manufacturing***

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**EDITION 0509**

KKTCA0509

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09/2005

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## Application Guide Caution

NOTE: This application guide provides information on typical hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, working pressure, etc. Please refer to the specifications printed for each product in this catalog, along with information regarding chemical resistance and our Cautionary Statement, to better insure successful results.

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### Kuri Tec® Sizing Code

|            |            |           |             |             |
|------------|------------|-----------|-------------|-------------|
| 02 = 1/8"  | 05 = 5/16" | 10 = 5/8" | 20 = 1 1/4" | 36 = 2 1/4" |
| 03 = 3/16" | 06 = 3/8"  | 12 = 3/4" | 24 = 1 1/2" | 40 = 2 1/2" |
| 04 = 1/4"  | 08 = 1/2"  | 16 = 1"   | 32 = 2"     | 48 = 3"     |

### Kuri Tec® Color Code

(Refers to last digit in Series number†)

|                     |            |           |           |          |
|---------------------|------------|-----------|-----------|----------|
| 0 = Clear/Blue Tint | 2 = Orange | 4 = Red   | 6 = Blue  | 8 = Grey |
| 1 = Yellow          | 3 = Black  | 5 = White | 7 = Green |          |

Example: K1134 Polyair Hose is red . . . the last digit (4) refers to the color code.

† Note: Color code does not apply to 136, 220 and 221 Series Products

NOTE: Although every effort has been made to accurately show the color of the Kuri Tec® hoses in this catalog, because of the limitations of four-color process printing, some of the colors shown herein may not be exact.

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| Abrasive Slurry Transfer                   |              |      |      | ✓    | ✓                            |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Aeration Systems, Ponds & Lakes            | ✓            | ✓    |      |      |                              |  |         | ✓   | ✓   |       |       |                         |                |     |       |       |       |       |   |   |
| Air Conditioning Drainage                  |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Air Lines, Assembly Operations             |              | ✓    |      |      |                              | ✓  | ✓       |     |     |       |       |                         |                |     |       |       |       |       |   | ✓ |
| Air Lines, Breathing                       |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     | ✓     | ✓     |       |       | ✓   |   |
| Air Lines, Low Temperature                 |              |      |      |      | ✓                            | ✓  | ✓       |     |     |       |       |                         |                |     |       |       |       |       |   | ✓ |
| Air Supply Type C                          |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Anti-Stat Blasting Agents                  |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Car Wash Applications                      |              |      |      |      | ✓                            | ✓  |         |     |     |       |       |                         |                |     |       |       |       |       | ✓   |   |
| Chemical Transfer                          |              | ✓    |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Chemical Transfer, Low Temperature         |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Conductive Applications, Air               |              |      |      |      |                              |  |         |     |     |       |       | ✓                       |                |     |       |       |       |       |   |   |
| Contamination Disposal - Incinerate        |              |      |      |      |                              |  |         |     |     | ✓     |       |                         |                |     |       |       |       |       |   |   |
| Construction Water Transfer                |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Coolant Lines                              |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Deionized Water Transfer                   | ✓            |      |      |      |                              |  |         |     |     |       | ✓     | ✓                       | ✓              |     | ✓     | ✓     |       |       | ✓   |   |
| Drain Lines — Furnace, Refrigeration, etc. | ✓            | ✓    |      |      |                              |  |         | ✓   | ✓   |       |       |                         |                |     |       |       |       |       |   |   |
| Drinking Water Lines, Marine & RV          |              |      |      |      |                              |  |         |     |     |       |       |                         |                | ✓   |       |       |       |       |   |   |
| Environmental Clean-Up                     |              |      |      |      |                              |  |         |     |     |       | ✓     |                         |                |     |       |       |       |       |   |   |
| Flexible Water Connectors                  |              |      |      |      |                              |  |         |     |     |       |       |                         | ✓              |     |       |       |       |       |   |   |
| Food and Beverage Transfer                 | ✓            |      |      |      |                              |  |         |     |     | ✓     | ✓     |                         |                |     | ✓     | ✓     | ✓     | ✓     |   |   |
| Granular Transfer Lines                    |              |      |      | ✓    | ✓                            |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Ice Clearing, Aeration                     |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Ice Making Machines                        | ✓            |      |      |      |                              |  |         | ✓   |     |       |       |                         |                |     |       |       |       |       |   |   |
| Induction Welding Tubing Lines             |              |      |      |      |                              |  |         |     |     |       |       | ✓                       |                |     |       |       |       |       |   |   |
| Injection Molding Coolant Lines            |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| In-Plant Air/Water Lines                   |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Irrigation Supply Lines                    |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Laboratory Tubing                          | ✓            |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Light Duty Washdown                        |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Liquid Food Products                       |              |      |      | ✓    |                              |  |         | ✓   |     |       | ✓     |                         |                |     | ✓     | ✓     | ✓     | ✓     |   |   |
| Lubrication/Air Drop Lines                 |              |      |      |      | ✓                            |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Marine Water Supply Line                   |              |      |      |      |                              |  |         |     |     |       |       |                         |                | ✓   |       |       |       |       |   |   |
| Metering Pumps                             |              |      |      | ✓    | ✓                            |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Municipal & Industrial Watering            |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Paint Fluid Transfer — High Pressure       |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Paint Fluid Transfer — Low Pressure        |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Paint Fluid Transfer — Static Conducting   |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Pneumatic Air Lines                        |              |      |      |      |                              | ✓  | ✓       |     |     |       |       |                         |                |     |       |       |       |       |   | ✓ |
| Pneumatic Lines                            | ✓            |      |      |      |                              |  |         | ✓   | ✓   |       |       |                         |                |     | ✓     | ✓     |       |       |   |   |
| Pneumatic Parts Transfer                   |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Powdered Food Products                     |              |      |      | ✓    |                              |  |         |     |     |       |       |                         |                |     | ✓     | ✓     |       |       |   |   |
| Printing Press Equipment                   | ✓            | ✓    |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Recreational Vehicle Water Supply Line     |              |      |      |      |                              |  |         |     |     |       |       |                         |                | ✓   |       |       |       |       |   |   |
| Robotic Air Lines                          |              |      |      |      | ✓                            |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Semiconductor Water Transfer               |              |      |      |      |                              |  |         |     |     |       | ✓     | ✓                       | ✓              |     |       |       |       |       |   |   |
| Spray, Lawn, Low Pressure                  |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Spraying — Agricultural, Vineyard          |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Spraying, Nursery                          |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Spraying, Pest Control                     |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Spraying, Tree, High Pressure              |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Static Dissipation, In-Plant Air           |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Static Dissipation, Painting Equipment     |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Static Dissipation, Pneumatic Tools        |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Temporary Residential Water Supply Line    |              |      |      |      |                              |  |         |     |     |       | ✓     | ✓                       |                |     |       |       |       |       |   |   |
| Transmission Fluid Transfer                |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Vacuum & Pressure Combination Lines        |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       | ✓     |   |   |
| Vacuum Pumps & Lines                       |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       | ✓     | ✓   |   |
| Wastewater Lagoons, Aeration               |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Washdown, Heavy Duty                       |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Water Bottling Equipment                   | ✓            |      |      | ✓    |                              |  |         |     |     |       | ✓     |                         |                |     |       |       |       |       |   |   |
| Water Distribution Lines                   | ✓            |      |      | ✓    |                              |  |         | ✓   | ✓   |       |       |                         |                |     |       |       |       |       |   |   |
| Water Purification Systems                 | ✓            |      |      | ✓    |                              |  |         |     |     |       |       | ✓                       |                |     |       |       |       |       |   |   |
| Water Recirculation                        |              |      |      |      |                              |  |         |     |     |       |       |                         |                |     |       |       |       |       |   |   |
| Water Sampling                             |              |      |      |      |                              |  |         |     |     |       | ✓     |                         |                |     |       |       |       |       |   |   |
| Water Softener Lines                       |              |      |      |      |                              |  |         | ✓   |     |       |       |                         |                |     |       |       |       |       |   |   |
| Water Transfer                             | ✓            |      |      |      |                              |  |         |     |     |       |       | ✓                       | ✓              | ✓   | ✓     | ✓     | ✓     | ✓     | ✓   |   |
| Water Transfer, Potable                    |              |      |      | ✓    |                              |  |         |     |     |       |       | ✓                       | ✓              | ✓   | ✓     | ✓     | ✓     | ✓     | ✓   |   |
| Watering — Golf Courses, Lawns             |              |      |      | ✓    |                              |  |         |     |     |       |       | ✓                       | ✓              | ✓   | ✓     | ✓     | ✓     | ✓     | ✓   |   |

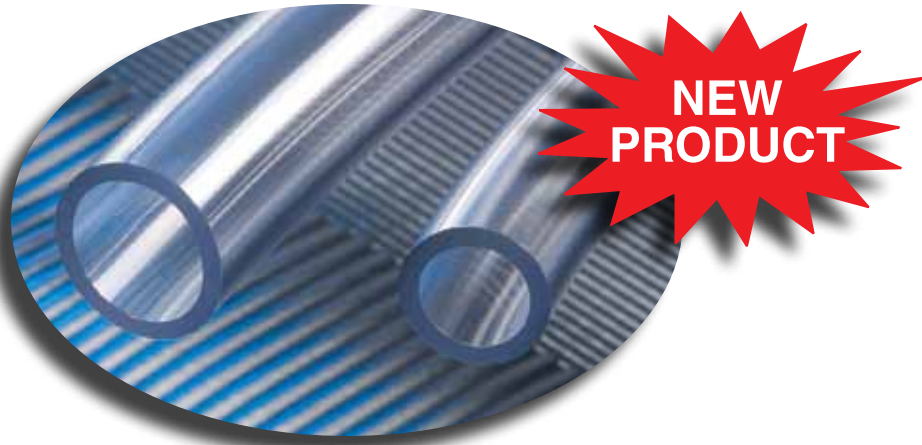
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|  | A1141<br>A1144<br>A1146<br>A1147<br>A1148 | K1131<br>K1134<br>K1136<br>K1137<br>K1138<br>HS1231<br>HS1234<br>K1231<br>K1234<br>K1236 | K1154<br>K1156<br>K1181<br>K1184<br>HS1186<br>HS1181<br>HS1184<br>HS1189 | K1171<br>K1173<br>K1174<br>K1176<br>HS1171<br>HS1174 | K2163<br>HS2163HDW | A1307 | A1317<br>HS1317 | NYLON<br>A4143 | A4143S | A4086 | A1687 | A1661 | K4131<br>K4232<br>K4137<br>A1251 | K4350 | A9350 | A1243<br>A1263 | A4164<br>A4176 | K2W | K7000 |
|--|---|--|--|--|--------------------|-------|-----------------|----------------|--------|-------|-------|-------|----------------------------------|-------|-------|----------------|----------------|-----|-------|
| Abrasive Slurry Transfer                   |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Aeration Systems, Ponds & Lakes            |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Air Conditioning Drainage                  |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                | ✓   |       |
| Air Lines, Assembly Operations             | ✓   | ✓  | ✓  | ✓  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Air Lines, Breathing                       |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       | ✓              |                |     |       |
| Air Lines, Low Temperature                 |   | ✓  |  | ✓  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Air Supply Type C                          |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       | ✓              |                |     |       |
| Anti-Stat Blasting Agents                  |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     | ✓     |
| Car Wash Applications                      |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Chemical Transfer                          |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Chemical Transfer, Low Temperature         |   |  |  |  |                    |       |                 | ✓              |        | ✓     |       |       |                                  |       |       |                |                |     |       |
| Contamination Disposal - Incinerate        |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Construction Water Transfer                |   |  |  |  | ✓                  |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Coolant Lines                              |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Deionized Water Transfer                   | ✓   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Drain Lines — Furnace, Refrigeration, etc. |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Drinking Water Lines, Marine & RV          |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Environmental Clean-Up                     |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Flexible Water Connectors                  |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Food and Beverage Transfer                 |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Granular Transfer Lines                    |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Ice Clearing, Aeration                     |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     | ✓     |
| Ice Making Machines                        |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Induction Welding Tubing Lines             | ✓   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Injection Molding Coolant Lines            | ✓   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| In-Plant Air/Water Lines                   |   | ✓  | ✓  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Irrigation Supply Lines                    |   |  |  |  | ✓                  |       | ✓               |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Laboratory Tubing                          |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Light Duty Washdown                        |   |  |  |  |                    | ✓     |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Liquid Food Products                       |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Lubrication/Air Drop Lines                 | ✓   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Marine Water Supply Line                   |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Metering Pumps                             |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Municipal & Industrial Watering            |   |  |  |  | ✓                  |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Non-Conductive Applications                |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                | ✓              |     |       |
| Paint Fluid Transfer — High Pressure       |   |  |  |  |                    |       |                 |                |        | ✓     |       |       |                                  |       |       |                |                |     |       |
| Paint Fluid Transfer — Low Pressure        |   |  |  |  |                    |       |                 |                |        | ✓     |       |       |                                  |       |       |                |                |     |       |
| Paint Fluid Transfer — Static Conducting   |   |  |  |  |                    |       |                 |                | ✓      |       |       |       |                                  |       |       |                |                |     |       |
| Pneumatic Air Lines                        |   | ✓  | ✓  | ✓  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Pneumatic Lines                            |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Pneumatic Parts Transfer                   |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Powdered Food Products                     |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Printing Press Equipment                   |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Recreational Vehicle Water Supply Line     |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Robotic Air Lines                          | ✓   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Semiconductor Water Transfer               |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Spray, Lawn, Low Pressure                  |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  | ✓     | ✓     |                |                |     |       |
| Spraying — Agricultural, Vineyard          |   |  |  |  |                    |       |                 |                |        |       |       | ✓     | ✓                                | ✓     | ✓     |                |                |     |       |
| Spraying, Nursery                          |   |  |  |  |                    |       |                 |                |        |       |       |       | ✓                                |       |       |                |                |     |       |
| Spraying, Pest Control                     |   |  |  |  |                    |       |                 |                |        |       |       | ✓     |                                  |       |       |                |                |     |       |
| Spraying, Tree, High Pressure              |   |  |  |  |                    |       |                 |                | ✓      | ✓     |       |       |                                  |       |       |                |                |     |       |
| Static Dissipation, In-Plant Air           |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                | ✓              | ✓   |       |
| Static Dissipation, Painting Equipment     |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                | ✓              | ✓   |       |
| Static Dissipation, Pneumatic Tools        |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                | ✓              | ✓   |       |
| Temporary Residential Water Supply Line    |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Transmission Fluid Transfer                | ✓   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Vacuum & Pressure Combination Lines        |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Vacuum Pumps & Lines                       |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Wastewater Lagoons, Aeration               |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     | ✓     |
| Washdown, Heavy Duty                       |   |  |  |  | ✓                  |       | ✓               |                |        |       |       |       | ✓                                |       |       |                |                |     |       |
| Water Bottling Equipment                   |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Water Distribution Lines                   |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Water Purification Systems                 |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Water Recirculation                        |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     | ✓     |
| Water Sampling                             |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Water Softener Lines                       |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Water Transfer                             |   | ✓  | ✓  | ✓  |                    | ✓     | ✓               |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Water Transfer, Potable                    |   |  |  |  |                    |       |                 |                |        |       |       |       |                                  |       |       |                |                |     |       |
| Watering — Golf Courses, Lawns             |   |  |  |  |                    |       | ✓               | ✓              |        |       |       |       |                                  |       |       |                |                |     |       |

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**Kuri Tec®**

**KLEARON™ 68  
Series K018  
Clear PVC Tubing**

Clear Non-toxic PVC food grade tubing for applications requiring more flexibility.

**Construction:**

Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup>, RoHS<sup>(15)</sup> and USP<sup>(18)</sup> Class VI requirements.

**Features:**

- High gloss.
- Non-toxic blue.
- Food grade clear PVC tubing.
- Self-extinguishing.
- Compound hardness 68±3 Shore “A”.

**Applications:**

- Ideal for medical applications requiring USP class VI.
- Similar to K010 applications in which a slightly more flexible tube is desired by the customer.
- Tubing for laboratories.
- Water transfer, purification systems.
- Beverage dispensing & ice making applications.
- Water, air, drainage lines.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Nominal Wall |      | Working Pressure† (PSI) @70°F (20°C) | Standard Length Ctn/Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|--------------|------|--------------------------------------|---------------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | (In)         | (mm) |                                      |                           |                      |
| K018       | 0204      | 1/8        | 3.2  | 1/4        | 6.4  | 1/16         | 1.6  | 65                                   | 100 ft.                   | 2.0 lbs.             |
| K018       | 0305      | 3/16       | 4.8  | 5/16       | 7.9  | 1/16         | 1.6  | 55                                   | 100 ft.                   | 2.7 lbs.             |
| K018       | 0306      | 3/16       | 4.8  | 3/8        | 9.5  | 3/32         | 2.4  | 60                                   | 100 ft.                   | 4.5 lbs.             |
| K018       | 0406      | 1/4        | 6.4  | 3/8        | 9.5  | 1/16         | 1.6  | 55                                   | 100 ft.                   | 3.4 lbs.             |
| K018       | 0407      | 1/4        | 6.4  | 7/16       | 11.1 | 3/32         | 2.4  | 58                                   | 100 ft.                   | 5.5 lbs.             |
| K018       | 0507      | 5/16       | 7.9  | 7/16       | 11.1 | 1/16         | 1.6  | 50                                   | 100 ft.                   | 4.0 lbs.             |
| K018       | 0508      | 5/16       | 7.9  | 1/2        | 12.7 | 3/32         | 2.4  | 55                                   | 100 ft.                   | 6.5 lbs.             |
| K018       | 0608      | 3/8        | 9.5  | 1/2        | 12.7 | 1/16         | 1.6  | 45                                   | 100 ft.                   | 4.7 lbs.             |
| K018       | 0609      | 3/8        | 9.5  | 9/16       | 14.3 | 3/32         | 2.4  | 50                                   | 100 ft.                   | 7.5 lbs.             |
| K018       | 0709      | 7/16       | 11.1 | 9/16       | 14.3 | 1/16         | 1.6  | 35                                   | 100 ft.                   | 5.3 lbs.             |
| K018       | 0810      | 1/2        | 12.7 | 5/8        | 15.9 | 1/16         | 1.6  | 30                                   | 100 ft.                   | 6.0 lbs.             |
| K018       | 1013      | 5/8        | 15.9 | 13/16      | 20.6 | 3/32         | 2.4  | 35                                   | 100 ft.                   | 11.6 lbs.            |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® non-reinforced PVC tubing is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

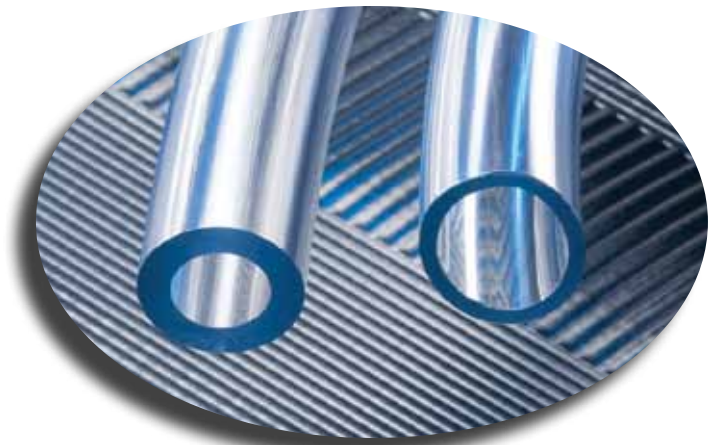
**FDA<sup>(03)</sup>, RoHS<sup>(15)</sup>, USP<sup>(18)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## KLEARON™ 73 Series K010 Clear PVC Tubing



Clear non-toxic food and beverage grade PVC tubing.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Construction:

Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(17)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(16)</sup>, RoHS<sup>(15)</sup> and USP<sup>(18)</sup> Class VI criteria.

### Features:

- High gloss crystal clear appearance with glass smooth interior to reduce sediment buildup.
- Non-toxic blue tint to enhance clarity.
- NSF-51 certified material.
- Self-extinguishing.
- Compound hardness 73 ±3 Shore "A".

### Applications:

- Tubing for laboratories.
- Water distillation lines.
- Deionized water systems.
- Air conditioning drainage.
- Refrigeration drainage.
- Air lines.
- Bottling plants.
- Beverage dispensing units.
- Ice making machines.
- Printing press equipment.
- High efficiency furnace drainage.
- Transfer of weak chemicals & acids.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® non-reinforced PVC tubing is not recommended. Hose claims involving use of these fittings will be disallowed.

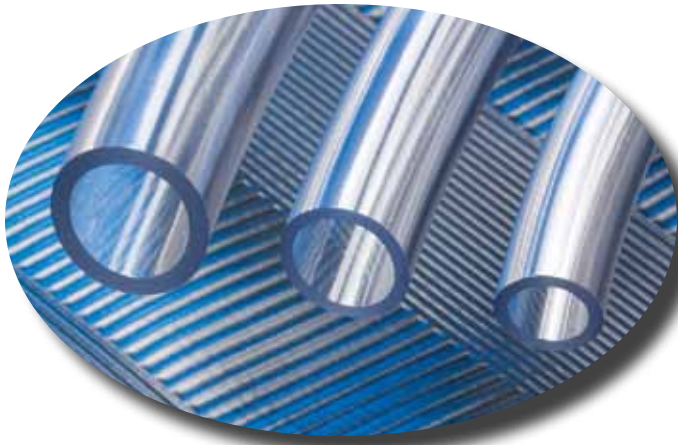
**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>,  
UL<sup>(16)</sup>, USDA<sup>(17)</sup>, USP<sup>(18)</sup>**

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Nominal Wall |      | Working Pressure† (PSI) @70°F (20°C) | Standard Length Ctn/Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|--------------|------|--------------------------------------|---------------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | (In)         | (mm) |                                      |                           |                      |
| K010       | 0204      | 1/8        | 3.2  | 1/4        | 6.4  | 1/16         | 1.6  | 65                                   | 100 ft.                   | 2.0 lbs.             |
| K010       | 0304      | 3/16       | 4.8  | 1/4        | 6.4  | 1/32         | 0.8  | 50                                   | 100 ft.                   | 1.2 lbs.             |
| K010       | 0305      | 3/16       | 4.8  | 5/16       | 7.9  | 1/16         | 1.6  | 55                                   | 100 ft.                   | 2.7 lbs.             |
| K010       | 0306      | 3/16       | 4.8  | 3/8        | 9.5  | 3/32         | 2.4  | 60                                   | 100 ft.                   | 4.5 lbs.             |
| K010       | 0406      | 1/4        | 6.4  | 3/8        | 9.5  | 1/16         | 1.6  | 55                                   | 100 ft.                   | 3.4 lbs.             |
| K010       | 0407      | 1/4        | 6.4  | 7/16       | 11.1 | 3/32         | 2.4  | 58                                   | 100 ft.                   | 5.5 lbs.             |
| K010       | 0408      | 1/4        | 6.4  | 1/2        | 12.7 | 1/8          | 3.2  | 60                                   | 100 ft.                   | 8.0 lbs.             |
| K010       | 0507      | 5/16       | 7.9  | 7/16       | 11.1 | 1/16         | 1.6  | 50                                   | 100 ft.                   | 4.0 lbs.             |
| K010       | 0508      | 5/16       | 7.9  | 1/2        | 12.7 | 3/32         | 2.4  | 55                                   | 100 ft.                   | 6.5 lbs.             |
| K010       | 0509      | 5/16       | 7.9  | 9/16       | 14.3 | 1/8          | 3.2  | 60                                   | 100 ft.                   | 9.4 lbs.             |
| K010       | 0608      | 3/8        | 9.5  | 1/2        | 12.7 | 1/16         | 1.6  | 45                                   | 100 ft.                   | 4.7 lbs.             |
| K010       | 0609      | 3/8        | 9.5  | 9/16       | 14.3 | 3/32         | 2.4  | 50                                   | 100 ft.                   | 7.5 lbs.             |
| K010       | 0610      | 3/8        | 9.5  | 5/8        | 15.9 | 1/8          | 3.2  | 55                                   | 100 ft.                   | 10.7 lbs.            |
| K010       | 0709      | 7/16       | 11.1 | 9/16       | 14.3 | 1/16         | 1.6  | 35                                   | 100 ft.                   | 6.0 lbs.             |
| K010       | 0810      | 1/2        | 12.7 | 5/8        | 15.9 | 1/16         | 1.6  | 30                                   | 100 ft.                   | 6.0 lbs.             |
| K010       | 0811      | 1/2        | 12.7 | 11/16      | 17.5 | 3/32         | 2.4  | 40                                   | 100 ft.                   | 9.5 lbs.             |
| K010       | 0812      | 1/2        | 12.7 | 3/4        | 19.1 | 1/8          | 3.2  | 45                                   | 100 ft.                   | 13.4 lbs.            |
| K010       | 1012      | 5/8        | 15.9 | 3/4        | 19.1 | 1/16         | 1.6  | 25                                   | 100 ft.                   | 8.2 lbs.             |
| K010       | 1013      | 5/8        | 15.9 | 13/16      | 20.6 | 3/32         | 2.4  | 35                                   | 100 ft.                   | 11.6 lbs.            |
| K010       | 1014      | 5/8        | 15.9 | 7/8        | 22.2 | 1/8          | 3.2  | 40                                   | 100 ft.                   | 16.1 lbs.            |
| K010       | 1216      | 3/4        | 19.1 | 1          | 25.4 | 1/8          | 3.2  | 35                                   | 100 ft.                   | 18.8 lbs.            |
| K010       | 1218      | 3/4        | 19.1 | 1 1/8      | 28.6 | 3/16         | 4.8  | 40                                   | 100 ft.                   | 30.0 lbs.            |
| K010       | 1220      | 3/4        | 19.1 | 1 1/4      | 31.8 | 1/4          | 6.4  | 45                                   | 100 ft.                   | 42.9 lbs.            |
| K010       | 1418      | 7/8        | 22.2 | 1 1/8      | 28.6 | 1/8          | 3.2  | 30                                   | 100 ft.                   | 21.4 lbs.            |
| K010       | 1420      | 7/8        | 22.2 | 1 1/4      | 31.8 | 3/16         | 4.8  | 35                                   | 100 ft.                   | 34.1 lbs.            |
| K010       | 1620      | 1          | 25.4 | 1 1/4      | 31.8 | 1/8          | 3.2  | 25                                   | 100 ft.                   | 24.1 lbs.            |
| K010       | 1622      | 1          | 25.4 | 1 3/8      | 34.9 | 3/16         | 4.8  | 30                                   | 100 ft.                   | 38.2 lbs.            |
| K010       | 1624      | 1          | 25.4 | 1 1/2      | 38.1 | 1/4          | 6.4  | 35                                   | 100 ft.                   | 53.6 lbs.            |
| K010       | 2024      | 1 1/4      | 31.8 | 1 1/2      | 38.1 | 1/8          | 3.2  | 20                                   | 50 ft.                    | 14.8 lbs.            |
| K010       | 2026      | 1 1/4      | 31.8 | 1 5/8      | 41.3 | 3/16         | 4.8  | 30                                   | 50 ft.                    | 23.1 lbs.            |
| K010       | 2028      | 1 1/4      | 31.8 | 1 3/4      | 44.5 | 1/4          | 6.4  | 40                                   | 50 ft.                    | 32.2 lbs.            |
| K010       | 2430      | 1 1/2      | 38.1 | 1 7/8      | 47.6 | 3/16         | 4.8  | 30                                   | 50 ft.                    | 27.1 lbs.            |
| K010       | 2432      | 1 1/2      | 38.1 | 2          | 50.8 | 1/4          | 6.4  | 35                                   | 50 ft.                    | 37.5 lbs.            |
| K010       | 3240      | 2          | 50.8 | 2 1/2      | 63.5 | 1/4          | 6.4  | 35                                   | 50 ft.                    | 48.2 lbs.            |

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.



**Kuri Tec®**

## Series K050 Clear PVC Tubing

Utility grade non-toxic clear food grade PVC tubing for general use applications.

**Construction:**

Clear PVC compound formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> and RoHS<sup>(15)</sup> requirements.

**Features:**

- High gloss clear appearance with glass smooth interior to reduce sediment buildup.
- FDA compliant, non-toxic PVC compound.

- Self-extinguishing.
- Compound hardness 73 ±3 Shore "A".

**Applications:**

- Air conditioning drainage.
- Refrigeration drainage.
- Air lines.
- Printing press equipment.
- High efficiency furnace drainage.
- Transfer of weak chemicals and acids.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

| Series Number | Size Code | Nominal ID |      | Nominal OD |      | Nominal Wall Thickness |      | Working Pressure† (PSI)<br>@70°F(20°C) | Standard Length<br>Ctn/Coils | Approx. Wgt. Per Pkg. (lbs.) |
|---------------|-----------|------------|------|------------|------|------------------------|------|--|------------------------------|------------------------------|
|               |           | (in)       | (mm) | (in)       | (mm) | (in)                   | (mm) |  |                              |                              |
| K050          | 0204      | 1/8        | 3.2  | 1/4        | 6.4  | 1/16                   | 1.6  | 65                                     | 100 ft                       | 2.0 lbs.                     |
| K050          | 0305      | 3/16       | 4.8  | 5/16       | 7.9  | 1/16                   | 1.6  | 55                                     | 100 ft                       | 2.7 lbs.                     |
| K050          | 0406      | 1/4        | 6.4  | 3/8        | 9.5  | 1/16                   | 1.6  | 55                                     | 100 ft                       | 3.4 lbs.                     |
| K050          | 0408      | 1/4        | 6.4  | 1/2        | 12.7 | 1/8                    | 3.2  | 60                                     | 100 ft                       | 8.0 lbs.                     |
| K050          | 0507      | 5/16       | 7.9  | 7/16       | 11.1 | 1/16                   | 1.6  | 50                                     | 100 ft                       | 4.0 lbs.                     |
| K050          | 0608      | 3/8        | 9.5  | 1/2        | 12.7 | 1/16                   | 1.6  | 45                                     | 100 ft                       | 4.7 lbs.                     |
| K050          | 0609      | 3/8        | 9.5  | 9/16       | 14.3 | 3/32                   | 2.4  | 50                                     | 100 ft                       | 7.5 lbs.                     |
| K050          | 0610      | 3/8        | 9.5  | 5/8        | 15.9 | 1/8                    | 3.2  | 55                                     | 100 ft                       | 10.7 lbs.                    |
| K050          | 0810      | 1/2        | 12.7 | 5/8        | 15.9 | 1/16                   | 1.6  | 30                                     | 100 ft                       | 6.0 lbs.                     |
| K050          | 0812      | 1/2        | 12.7 | 3/4        | 19.1 | 1/8                    | 3.2  | 45                                     | 100 ft                       | 13.4 lbs.                    |
| K050          | 1013      | 5/8        | 15.9 | 13/16      | 20.6 | 3/32                   | 2.4  | 35                                     | 100 ft                       | 11.6 lbs.                    |
| K050          | 1014      | 5/8        | 15.9 | 7/8        | 22.2 | 1/8                    | 3.2  | 40                                     | 100 ft                       | 16.1 lbs.                    |
| K050          | 1216      | 3/4        | 19.1 | 1          | 25.4 | 1/8                    | 3.2  | 35                                     | 100 ft                       | 18.8 lbs.                    |
| K050          | 1418      | 7/8        | 22.2 | 1 1/8      | 28.6 | 1/8                    | 3.2  | 30                                     | 100 ft                       | 21.4 lbs.                    |
| K050          | 1620      | 1          | 25.4 | 1 1/4      | 31.8 | 1/8                    | 3.2  | 25                                     | 100 ft                       | 24.1 lbs.                    |
| K050          | 2024      | 1 1/4      | 31.8 | 1 1/2      | 38.1 | 1/8                    | 3.2  | 20                                     | 50 ft                        | 14.8 lbs.                    |
| K050          | 2430      | 1 1/2      | 38.1 | 1 7/8      | 47.6 | 3/16                   | 4.8  | 30                                     | 50 ft                        | 27.1 lbs.                    |
| K050          | 2432      | 1 1/2      | 38.1 | 2          | 50.8 | 1/4                    | 6.4  | 35                                     | 50 ft                        | 37.5 lbs.                    |
| K050          | 3240      | 2          | 50.8 | 2 1/2      | 63.5 | 1/4                    | 6.4  | 35                                     | 50 ft                        | 48.2 lbs.                    |

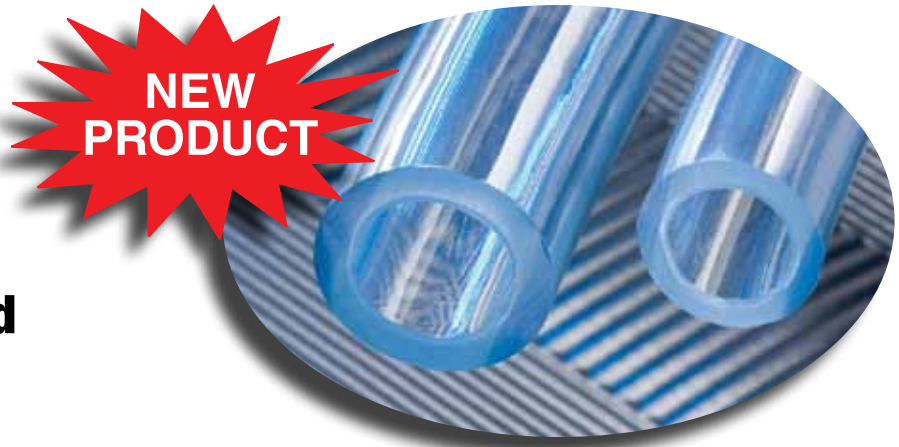
† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA(03), RoHS(15)**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.



## Series 3300 Ether-Based Polyurethane-Lined Clear PVC Tubing

Special clear flexible tubing combining a food grade PVC outer surface with an inner liner of NSF-61 listed polyurethane.

### Construction:

73±3 Shore "A" Clear FDA<sup>(03)</sup> PVC, lined with an 80 Shore "A" clear Ether-Based Polyurethane which is in compliance with NSF<sup>(09)</sup> and RoHS<sup>(15)</sup> requirements.

### Features:

- NSF-61 listed polyurethane liner inside a 73±3 Shore "A" PVC outer layer.
- Non-PVC contact surface.
- The polyurethane liner offers improved oil resistance compared to PVC.

### Applications:

- Applications in which a flexible tube with NSF-61 contact material is desired.
- Lower cost alternative to urethane tubing.
- Sight glass tubing.
- Low pressure oil transfer.

Service Temperature Range: +25°F (-4°C) to +140°F (+60°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Nominal Wall |      | Working Pressure† (PSI) @70°F (20°C) | Standard Length Ctn/Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|--------------|------|--------------------------------------|---------------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | (In)         | (mm) |                                      |                           |                      |
| 3300       | 0406      | 1/4        | 6.4  | 3/8        | 9.5  | 1/16         | 1.6  | 40                                   | 100 ft.                   | 3.2 lbs.             |
| 3300       | 0507      | 5/16       | 7.9  | 7/16       | 11.1 | 1/16         | 1.6  | 50                                   | 100 ft.                   | 4.0 lbs.             |
| 3300       | 0609      | 3/8        | 9.5  | 9/16       | 14.3 | 3/32         | 2.4  | 25                                   | 100 ft.                   | 7.2 lbs.             |

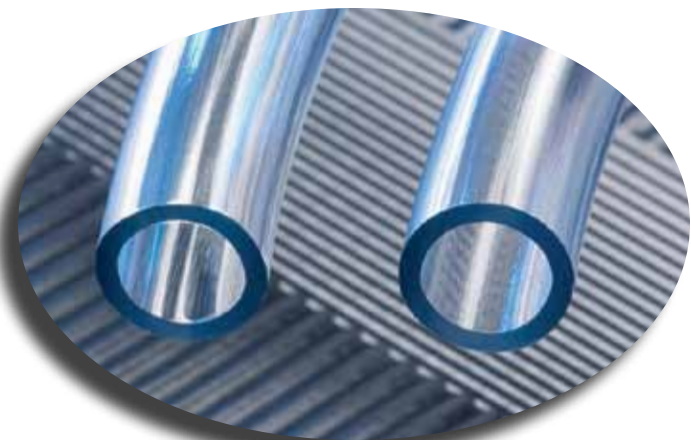
† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NSF<sup>(09)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Series 2600**  
**85 Shore “A”**  
**Ether-Based Clear**  
**Food Grade Polyurethane**  
**Tubing**

Clear polyurethane ether-based food grade tubing for transfer of air, fluids and abrasive slurries.

**Construction:**

85 Shore “A” Durometer ether-based polyurethane tubing in transparent blue tint. Blue tint 2600 material conforms to FDA<sup>(07)</sup> requirements. Also in compliance with RoHS<sup>(15)</sup> requirements.

**Features:**

- Abrasion and cut resistance.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to ozone, solvents and fuel.
- Good resistance to hydrolysis and algae.
- Slight blue tint allows see-through convenience.
- Complies with RMA's Class A designation for high oil resistance.

- Silicone-free.
- One-piece lengths.

**Applications:**

- Transfer of air and fluids under severe conditions.
- Feed and return lines.
- Abrasive slurry transfer.
- Granular transfer lines.
- Robotics control lines.
- Insulating sleeves.
- Lubrication lines.
- Metering pumps.

**Note:** Not recommended for transfer of brake fluids.

**Service Temperature Range:** -40°F (-40°C) to +175°F (+80°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Nominal Wall |      | Max. Working Pressure† (PSI) |                | Standard Length Coil/Box | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|--------------|------|------------------------------|----------------|--------------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | (In)         | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                          |                      |
| 2600       | 0204      | 1/8        | 3.2  | 1/4        | 6.4  | 1/16         | 1.6  | 100                          | 75             | 100 ft.                  | 2 lbs.               |
| 2600       | 0305      | 3/16       | 4.8  | 5/16       | 7.9  | 1/16         | 1.6  | 75                           | 50             | 100 ft.                  | 3 lbs.               |
| 2600       | 0406      | 1/4        | 6.4  | 3/8        | 9.5  | 1/16         | 1.6  | 60                           | 45             | 100 ft.                  | 3.5 lbs.             |
| 2600       | 0507      | 5/16       | 7.9  | 7/16       | 11.1 | 1/16         | 1.6  | 50                           | 35             | 100 ft.                  | 4 lbs.               |
| 2600       | 0608      | 3/8        | 9.5  | 1/2        | 12.7 | 1/16         | 1.6  | 45                           | 30             | 100 ft.                  | 5 lbs.               |
| 2600       | 0812      | 1/2        | 12.7 | 3/4        | 19.1 | 1/8          | 3.2  | 60                           | 45             | 100 ft.                  | 13 lbs.              |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** When exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing — call for details.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(07)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## Series 2840, 2841, 2844, 2846

### 95 Shore "A" Ether-Based Heavy Duty Polyurethane Tubing



Ether-based polyurethane tubing available in colors for transfer of air, fluids and abrasive slurries.

#### Construction:

Series 2840, 2841, 2844, 2846 — 95 Shore "A" Durometer ether-based polyurethane tubing in transparent FDA<sup>(07)</sup> blue tint, 2840 – Blue Tint, as well as three industrial grade solid colors: 2841 – Yellow, 2844 – Red, 2846 – Blue

#### Features:

- Abrasion and cut resistance.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to ozone, solvents and fuel.
- Good resistance to hydrolysis and algae.
- Slight blue\* tint allows see-through convenience.
- Complies with RMA's Class A designation for high oil resistance.
- Silicone-free.

- One-piece lengths.
- Individually bagged self store assemblies are available, see page 38.
- RoHS<sup>(15)</sup> compliant.

#### Applications:

- Transfer of air and fluids under severe conditions.
- Feed and return lines.
- Abrasive slurry transfer.
- Granular transfer lines.
- Robotics control lines.
- Insulating sleeves.
- Lubrication lines.
- Metering pumps.

**Note:** Not recommended for transfer of brake fluids.

Service Temperature Range: -40°F (-40°C) to +175°F (+80°C)

### Nominal Specifications

| Series No-   |             |          |           | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Lengths |          | Approx. Wt. per Pkg. |          |
|--------------|-------------|----------|-----------|-----------|------------|------|------------|------|------------------------------|----------------|------------------|----------|----------------------|----------|
| 2840 B' Tint | 2841 Yellow | 2844 Red | 2846 Blue |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Spool/Box        | Coil/Box | 300 ft.              | 100 ft.  |
| ✓            | ✓           | ✓        | ✓         | 04        | 1/4        | 6.5  | .375       | 9.5  | 125                          | 75             | 300 ft.          | 100 ft.  | 9.5 lbs.             | 3.1 lbs. |
| ✓            | ✓           | ✓        | ✓         | 05        | 5/16       | 8.0  | .472       | 12.0 | 125                          | 75             | 300 ft.          | 100 ft.  | 14.7 lbs.            | 4.9 lbs. |
| ✓            | ✓           | ✓        | ✓         | 06        | 3/8        | 9.5  | .570       | 14.5 | 125                          | 75             | 300 ft.          | 100 ft.  | 21.7 lbs.            | 7.2 lbs. |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\* **Note:** The blue tint Series 2840 material conforms to the same FDA regulations as Series 2600.

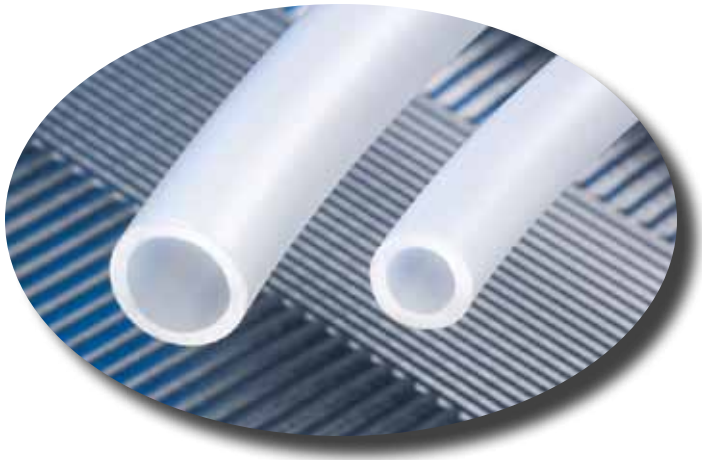
**Note:** When exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing which is RoHS<sup>(15)</sup> compliant — call for details.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(07)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.



**Kuri Tec®**

## 220 Series Linear Low Density Food Grade Polyethylene Tubing

LLDPE food grade tubing for standard industrial applications.

**Construction:**

Linear low density food grade polyethylene tubing in compliance with FDA<sup>(06)</sup> requirements – natural color. Also in compliance with RoHS<sup>(15)</sup> requirements.

**Features:**

- Economical and lightweight.
- LLDPE resin provides excellent environmental stress crack resistance.
- Natural color.

- Excellent resistance to solvents.
- Chemically inert.

**Applications:**

- Transfer of air and liquids in industrial applications.
- Water lines.
- Water softener lines.
- Pneumatic logic control lines.
- Vending equipment.

Service Temperature Range: -50°F (-45°C) to +140°F (+60°C)

### Nominal Specifications

| Series No. | Size Code | Nominal OD |      | Nominal ID |      | Nominal Wall |      | Max. Working Pressure† (PSI) |                | Standard Length |       | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|--------------|------|------------------------------|----------------|-----------------|-------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | (In)         | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Spool/Coil      | Pkg.  |                      |
| 220        | 0440x1K   | 1/4        | 6.4  | .170       | 4.3  | .040         | 1.0  | 140                          | 60             | 1000 ft.        | Spool | 11 lbs.              |
| 220        | 0440x2K   | 1/4        | 6.4  | .170       | 4.3  | .040         | 1.0  | 140                          | 60             | 2000 ft.        | Spool | 22 lbs.              |
| 220        | 0440x500  | 1/4        | 6.4  | .170       | 4.3  | .040         | 1.0  | 140                          | 60             | 500 ft.         | Spool | 6 lbs.               |
| 220        | 0440x100  | 1/4        | 6.4  | .170       | 4.3  | .040         | 1.0  | 140                          | 60             | 100 ft.         | Coil  | 1 lbs.               |
| 220        | 0462x2K   | 1/4        | 6.4  | .125       | 3.1  | .062         | 1.6  | 150                          | 75             | 2000 ft.        | Spool | 30 lbs.              |
| 220        | 0562x15C  | 5/16       | 7.9  | .188       | 4.8  | .062         | 1.6  | 150                          | 75             | 1500 ft.        | Spool | 30 lbs.              |
| 220        | 0662x1K   | 3/8        | 9.5  | .250       | 6.4  | .062         | 1.6  | 125                          | 50             | 1000 ft.        | Spool | 25 lbs.              |
| 220        | 0662x500  | 3/8        | 9.5  | .250       | 6.4  | .062         | 1.6  | 125                          | 50             | 500 ft.         | Spool | 13 lbs.              |
| 220        | 0662x100  | 3/8        | 9.5  | .250       | 6.4  | .062         | 1.6  | 125                          | 50             | 100 ft.         | Coil  | 3 lbs.               |
| 220        | 0862x500  | 1/2        | 12.7 | .375       | 9.5  | .062         | 1.6  | 100                          | 35             | 500 ft.         | Spool | 18 lbs.              |
| 220        | 0862x100  | 1/2        | 12.7 | .375       | 9.5  | .062         | 1.6  | 100                          | 35             | 100 ft.         | Spool | 3.6 lbs.             |
| 220        | 1062x500  | 5/8        | 15.9 | .500       | 12.7 | .062         | 1.6  | 75                           | 25             | 500 ft.         | Coil  | 23 lbs.              |
| 220        | 1062x100  | 5/8        | 15.9 | .500       | 12.7 | .062         | 1.6  | 75                           | 25             | 100 ft.         | Coil  | 4.8 lbs.             |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

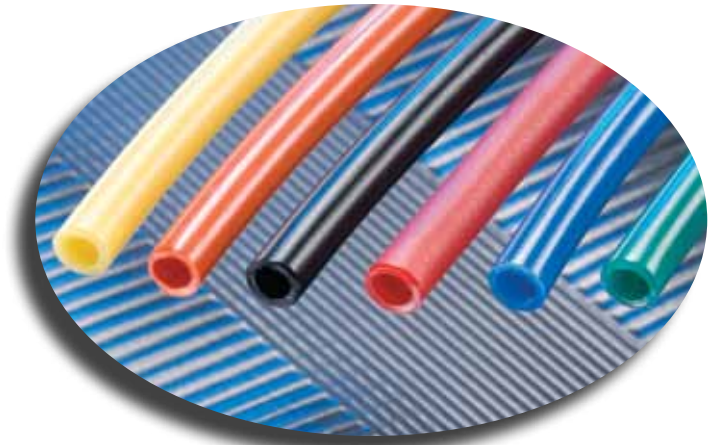
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(06)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## 221 Series Linear Low Density Industrial Grade Polyethylene Tubing



LLDPE industrial grade colored tubing for general industrial applications.

### Construction:

- Linear low density polyethylene tubing - black color in compliance with RoHS<sup>(15)</sup> requirements.

### Features:

- Economical and lightweight.
- LLDPE resin provides excellent environmental stress crack resistance.
- Resistant to sunlight and other forms of ultra-violet radiation.

- Chemically inert.
- Excellent resistance to solvents.

### Applications:

- Transfer of air and liquids in industrial applications.
- Humidifier fill lines.
- For outdoor uses where exposure to sunlight occurs.
- Air conditioning drain lines.
- Instrument air lines.

Additional sizes not shown of the following colors are available on special order: 2231-Yellow, 2232-Orange, 2234-Red, 2236-Blue, 2237-Green and are in compliance with RoHS<sup>(15)</sup> requirements.

Service Temperature Range: -50°F (-45°C) to +140°F (+60°C)

### Nominal Specifications

| Series No. | Size Code | Nominal OD |      | Nominal ID |      | Nominal Wall |      | Max. Working Pressure† (PSI) |                | Standard Length |       | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|--------------|------|------------------------------|----------------|-----------------|-------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | (In)         | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Spool/Coil      | Pkg.  |                      |
| 221        | 0440x2K   | 1/4        | 6.4  | .170       | 4.3  | .040         | 1.0  | 140                          | 60             | 2000 ft.        | Spool | 22 lbs.              |
| 2231       | 0440x1K   | 1/4        | 6.4  | .170       | 3.1  | .040         | 1.0  | 140                          | 60             | 1000 ft.        | Spool | 11 lbs.              |
| 2232       | 0440x1K   | 1/4        | 6.4  | .170       | 3.1  | .040         | 1.0  | 140                          | 60             | 1000 ft.        | Spool | 11 lbs.              |
| 2234       | 0440x1K   | 1/4        | 6.4  | .170       | 3.1  | .040         | 1.0  | 140                          | 60             | 1000 ft.        | Spool | 11 lbs.              |
| 2236       | 0440x1K   | 1/4        | 6.4  | .170       | 3.1  | .040         | 1.0  | 140                          | 60             | 1000 ft.        | Spool | 11 lbs.              |
| 2237       | 0440x1K   | 1/4        | 6.4  | .170       | 3.1  | .040         | 1.0  | 140                          | 60             | 1000 ft.        | Spool | 11 lbs.              |
| 221        | 0462x2K   | 1/4        | 6.4  | .125       | 3.1  | .062         | 1.6  | 150                          | 75             | 2000 ft.        | Spool | 30 lbs.              |
| 221        | 0562x15C  | 5/16       | 7.9  | .188       | 4.8  | .062         | 1.6  | 150                          | 75             | 1500 ft.        | Spool | 30 lbs.              |
| 221        | 0662x500  | 3/8        | 9.5  | .250       | 6.4  | .062         | 1.6  | 125                          | 50             | 500 ft.         | Spool | 15 lbs.              |
| 221        | 0662x1K   | 3/8        | 9.5  | .250       | 6.4  | .062         | 1.6  | 125                          | 50             | 1000 ft.        | Spool | 25 lbs.              |
| 221        | 0862x500  | 1/2        | 12.7 | .375       | 9.5  | .062         | 1.6  | 100                          | 35             | 500 ft.         | Spool | 18 lbs.              |
| 221        | 1062x500  | 5/8        | 15.9 | .500       | 12.7 | .062         | 1.6  | 75                           | 25             | 500 ft.         | Coil  | 23 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

### RoHS<sup>(15)</sup>

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**SUPERIOR FLEXIBILITY!**

**NEW PRODUCT**

**Series A1730  
Flexible FDA  
Polyethylene Hose**

A flexible food grade hose for those applications in which a PVC hose may not be suitable.

**Construction:**

- Tube - 82 Shore "A" polyethylene in compliance with FDA<sup>(04)</sup> and RoHS<sup>(15)</sup> requirements.
- Reinforcement – High tensile strength yarn.
- Cover - 68 Shore "A" flexible polyethylene cover in compliance with FDA<sup>(04)</sup> and RoHS<sup>(15)</sup> requirements.

**Features:**

- Flexible non-chlorinated non-PVC hose.
- Can be incinerated without harmful emissions.
- Light weight.

**Applications:**

- Applications involving radiation or other contaminants that require disposal of the hose after use.
- Food transfer.

Service Temperature Range: -60°F (-51°C) to +120°F (+49°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length |            | Approx. Wt. per Pkg. |            |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------|------------|----------------------|------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Full Coil       | Cut Length | Full Coil            | Cut Length |
| A1730      | 04        | 1/4        | 6.5  | .460       | 11.7 | 150                          | 75             | 500 ft.         | 100 ft.    | 22.5 lbs.            | 4.5 lbs.   |
| A1730      | 06        | 3/8        | 9.5  | .593       | 15.1 | 150                          | 75             | 300 ft.         | 100 ft.    | 19.8 lbs.            | 6.6 lbs.   |
| A1730      | 08        | 1/2        | 12.7 | .740       | 18.8 | 150                          | 75             | 300 ft.         | 100 ft.    | 17.3 lbs.            | 9.1 lbs.   |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(04)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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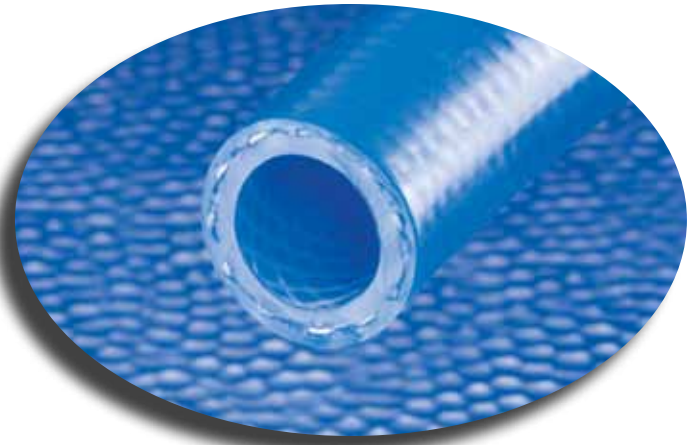


## Series A3236

### High Purity Non-Toxic LLDPE Water Hose



Certified to  
NSF/ANSI 61



A flexible, non-contaminating food grade hose that is ideal for use in food, beverage and water applications.

#### Construction:

- Tube — Special co-extruded tube with the inner contact surface meeting applicable FDA<sup>(04)</sup>, NSF<sup>(12)</sup> and RoHS<sup>(15)</sup> requirements.
- Reinforcement — High tensile strength yarn.
- Cover — Blue EVA copolymer . . . complies with FDA<sup>(04)</sup> and RoHS<sup>(15)</sup> requirements.

#### Features:

- Extremely light weight.
- Good resistance to U. V. and weather aging.
- Exceptionally low hydrocarbon extraction into water, as compared to the EPA MCL's (maximum contaminant levels) for drinking water.
- Extremely low hydrocarbon absorption from contaminated water samples.
- Excellent low temperature flexibility.

- Excellent chemical resistance.
- Silicone-free.
- One-piece lengths.
- Opaque jacket reduces tendency for algae growth in warm, sunny applications.

#### Applications:

- Transfer of food, beverages and water.
- Transfer of deionized water.
- Water sampling.
- Water bottling equipment.
- Water transfer lines for semiconductor manufacturing, where applicable.
- Temporary residential water supply lines.
- Environmental clean-up applications involving water and chemicals.

Service Temperature Range: -10°F (-23°C) to +140°F (+60°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| A3236      | 08        | 1/2        | 12.7 | .750       | 19.1 | 200                          | 100            | 300 ft.               | 33 lbs.              |
| A3236      | 12        | 3/4        | 19.1 | 1.125      | 28.6 | 200                          | 100            | 300 ft.               | 68 lbs.              |
| A3236      | 16        | 1          | 25.4 | 1.375      | 34.9 | 150                          | 75             | 200 ft.               | 59 lbs.              |

**Note:** ★ For applications requiring minimal stretch, this hose is also available with longitudinal cords by ordering Series A3246 . . . check with factory for minimum quantity requirements.

Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

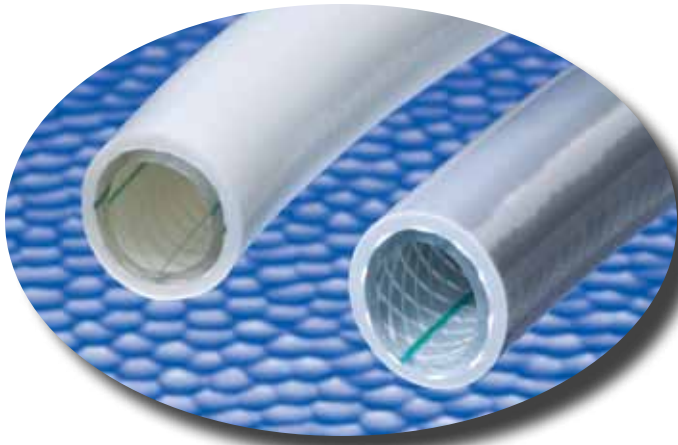
† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(04)</sup>, NSF<sup>(12)</sup>, RoHS<sup>(15)</sup>**

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**Kuri Tec®**

**Series K6155, K6158**

**High Purity  
Non-Toxic PVC  
Potable Water Hose**



A High Purity non-conductive hose with colored jacket which is ideal for potable water and deionized water transfer.

**Construction:**

- Tube — Clear PVC compound, formulated in compliance with FDA<sup>(03)</sup> and NSF<sup>(11)(13)</sup> criteria.
- Reinforcement — High tensile strength yarn.
- Cover — Non-toxic PVC compound, available in two solid colors: K6155 – White and K6158 – Grey. Additional non-toxic colors (Red, Black, Blue, Green and Sand) are available on a special order basis.

**Features:**

- Made with PVC compounds certified under NSF-51/NSF-61.
- White or gray jacket to reduce tendency for algae growth and U. V. degradation in warm sunny applications.
- Non-marking cover.

- Non-perforated cover.
- Non-conductive compounds.
- Silicone-free.
- One-piece lengths.
- RoHS<sup>(15)</sup> compliant.

**Applications:**

- Transfer of potable water.
- Transfer of deionized water.
- Induction welding tubing lines.
- Temporary residential water supply lines.
- Water transfer lines for semiconductor manufacturing, where applicable.
- Applications requiring a non-conductive hose.

**Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)**

**Nominal Specifications**

| Standard Stock Colors |            | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Standard Length Coils | Approx. Wt. per Pkg. |
|-----------------------|------------|-----------|------------|------|------------|------|---------------------------------|---------------|-----------------------|----------------------|
| K6155 White           | K6158 Grey |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                       |                      |
| ✓                     | ✓          | 06        | 3/8        | 9.5  | .594       | 15.1 | 225                             | 125           | 300 ft.               | 27 lbs.              |
| ✓                     | ✓          | 08        | 1/2        | 12.7 | .750       | 19.1 | 200                             | 100           | 300 ft.               | 40 lbs.              |
| ✓                     | ✓          | 12        | 3/4        | 19.1 | 1.031      | 26.2 | 150                             | 85            | 200 ft.               | 43 lbs.              |
| ✓                     | ✓          | 16        | 1          | 25.4 | 1.300      | 33.0 | 125                             | 75            | 200 ft.               | 59 lbs.              |
|                       | ✓          | 24        | 1 1/2      | 38.1 | 1.938      | 49.2 | 100                             | 50            | 100 ft.               | 64 lbs.              |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NSF<sup>(11) (13)</sup>, RoHS<sup>(15)</sup>**

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## Series K6136 High Purity Street to Home Potable Water Hose



A quality potable water hose specifically designed for temporary water supply and bypass applications.

### Construction:

- Tube — Pure white PVC compound, formulated in compliance with applicable FDA<sup>(03)</sup> and RoHS<sup>(15)</sup> requirements. . . meets NSF<sup>(11)</sup> criteria.
- Reinforcement — High tensile strength yarn, with longitudinal yarns to prevent elongation under pressure.
- Cover — Blue high quality PVC compound, uniquely blended to provide excellent abrasion- and weather-resistance . . . blue color signifies pure water line.

### Features:

- KC046-W high purity NSF-61<sup>(11)</sup> certified tube material diminishes water quality concerns regarding surfaces which are contacted by potable water.
- KC046-W inner tube is less porous than the tube in commonly-used conventional rubber hoses, and is easier to flush and keep clean.
- Silicone-free.
- White inner tube and blue cover reduce tendency for algae growth in warm, sunny environments.

- Extremely light weight - 22 to 25% lighter than conventional rubber hose . . . helps to reduce worker fatigue.
- Hassle-free and easier to use . . . requires less installation time than rigid pipe.
- Strong and durable . . . ideal for construction site environments.
- Heavy duty construction limits kinking in the hot summer sun.
- Good abrasion resistance.
- Does not leave a bad taste or odor in the water, unlike conventional rubber hoses.

### Applications:

- Transfer of potable water.
- Water purification systems.
- Temporary surface bypass potable water lines for municipal construction sites.
- Water sampling.

Service Temperature Range: -10°F (-23°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Reel | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                      |                      |
| K6136      | 12        | 3/4        | 19.1 | 1.125      | 28.6 | 250                          | 110            | 500 ft.              | 168 lbs.             |
| K6136      | 32        | 2          | 50.8 | 2.48       | 63.0 | 110                          | 45             | 100 ft.              | 96 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

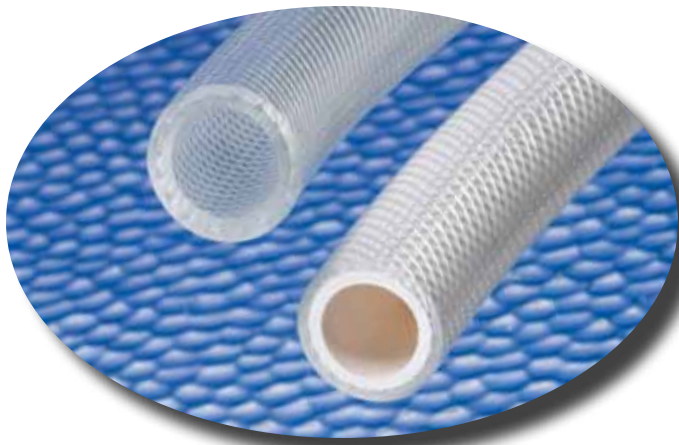
Note: Series K6136 is sold in Canada under the Pureflex® name.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NSF<sup>(11)</sup>, RoHS<sup>(15)</sup>**

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**Kuri Tec®**

**Series K3280, K3285**  
**NSF-61 Certified**  
**Reinforced PVC**  
**Flexible**  
**Connection Hose**



A flexible, non-contaminating NSF-61 certified hose that is ideal for use in drinking water applications.

**Construction:**

- Tube — Clear K3280 or white K3285 tube compound is formulated in compliance with applicable FDA<sup>(03)</sup> regulations, certified under NSF<sup>(10)</sup> and RoHS<sup>(15)</sup> criteria.
- Reinforcement — High tensile strength multifilament polyester yarn.
- Cover — Clear PVC compound formulated in compliance with applicable FDA<sup>(03)</sup> regulations, certified under NSF<sup>(11)</sup> criteria.

**Features:**

- Made with PVC compounds certified under NSF-61.
- When coupled properly, hose will pass high temperature extreme test requirement of ASME<sup>(02)</sup> criteria.
- Closely-packed white polyester yarn design ensures minimal expansion of the hose while in service.
- Silicone-free.
- One-piece lengths (cut pieces also available).

**Applications:**

- Flexible water connectors.
- Transfer of potable water.
- Transfer of deionized water.
- Water transfer lines for semiconductor manufacturing, where applicable.

**Service Temperature Range:** +14°F (-10°C) to +140°F (+60°C) Domestic Hot and Cold Water

**Nominal Specifications**

| Series No.  |                  | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|-------------|------------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
| K3280 Clear | K3285 White Tube |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 150°F (66°C) |                       |                      |
| ✓           |                  | 04        | .260       | 6.6  | .440       | 11.1 | 180                          | 125            | 500 ft.               | 28 lbs.              |
| *           | ✓                | 05        | .320       | 8.1  | .485       | 12.3 | 180                          | 125            | 500 ft.               | 29 lbs.              |
| ✓           | ✓                | 06        | .380       | 9.7  | .595       | 15.1 | 180                          | 125            | 500 ft.               | 46 lbs.              |
| ✓           | ✓                | 08        | .505       | 12.8 | .740       | 18.8 | 180                          | 125            | 500 ft.               | 64 lbs.              |

† **Note:** Working Pressure decreases as temperature increases. The pressure ratings of hose assemblies can be affected by the type of fitting used and the coupling procedure. We cannot be responsible for the suitability of the user's fittings or the coupling method used. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

\* **Note:** Non stock item.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

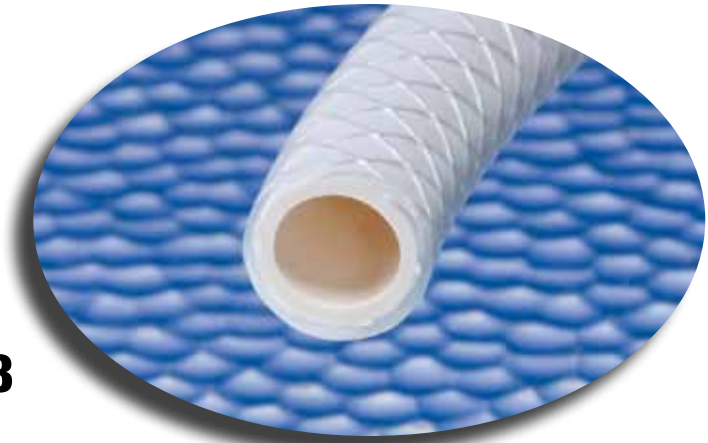
**ASME<sup>(02)</sup>, FDA<sup>(03)</sup>, NSF<sup>(10)</sup>, RoHS<sup>(15)</sup>**

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## Series 136

### Non-Toxic RV Water Hose – IAPMO Listed Under Accuflex File T®-2008



Specifically designed for use in water pressure lines on recreational vehicles and boats — certified with IAPMO for cold water systems.

#### Construction:

- Tube — White PVC compound, formulated in compliance with FDA<sup>(03)</sup>, NSF<sup>(11)</sup> and RoHS<sup>(15)</sup> criteria.
- Reinforcement — High tensile strength yarn.
- Cover — Clear PVC compound, formulated in compliance with FDA<sup>(03)</sup> and NSF<sup>(11)</sup> criteria.

#### Features:

- Manufactured in compliance with standard IAPMO TS 25-2006.
- Certified for use in recreational vehicle cold water pressure systems.
- Opaque core tube reduces tendency for algae growth in warm sunny applications.

- Core tube material complies with standard IAPMO TS 31-2004 and the requirements of NSF 61<sup>(11)</sup>.
- IAPMO T®-2008 listing printed on hose.
- Silicone-free.
- One-piece lengths.

#### Applications:

- Specifically designed and formulated for use as water pressure lines in the recreational vehicle and marine markets.
- Drinking water lines in recreational vehicles and pleasure craft.
- Suitable for non-toxic and potable water applications where a transparent hose is not required.

Service Temperature Range: +25°F (-4°C) to +125°F (+52°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| 136        | 06        | 3/8        | 9.5  | .565       | 16.7 | 150                          | 60             | 500 ft.               | 39 lbs.              |
| 136        | 08        | 1/2        | 12.7 | .688       | 17.5 | 150                          | 60             | 500 ft.               | 49 lbs.              |
| 136        | 10        | 5/8        | 15.9 | .813       | 20.7 | 150                          | 60             | 300 ft.               | 36 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

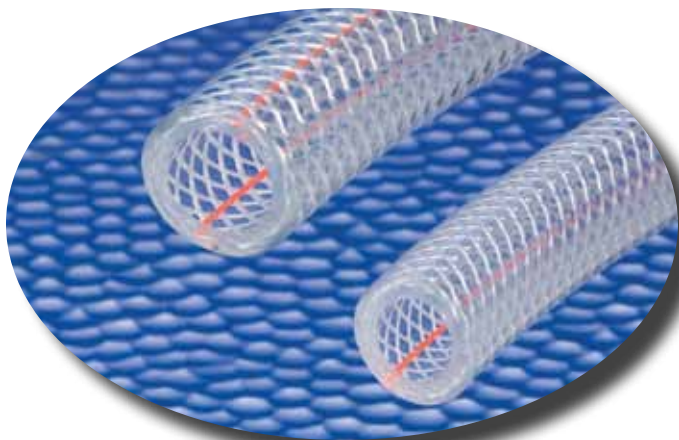
Note: A black colored jacket version (Series 133) is also available on request.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, IAPMO<sup>(08)</sup>, NSF<sup>(11)</sup>, RoHS<sup>(15)</sup>**

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**Kuri Tec®**



**CLEARBRAID®  
K3150 Series RF**

**Standard Wall PVC Food  
& Beverage Hose**

A lightweight standard wall crystal clear yarn reinforced hose suitable for a wide variety of food and beverage applications.

**Construction:**

Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(17)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(16)</sup>, RoHS<sup>(15)</sup> and USP<sup>(18)</sup> Class VI criteria. Reinforced with spiraled polyester yarn and longitudinal orange tracer yarns for identification.

**Features:**

- Constructed with non-toxic compounds.
- NSF-51 certified material.
- Crystal clear — allows visual confirmation of product flow.
- Longitudinally-reinforced to reduce elongation under pressure.

- Light weight.
- Self-extinguishing.
- Non-marking.
- Silicone-free.
- Non-conductive.
- One-piece lengths.
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 73 ±3 Shore "A".

**Applications:**

- Food & beverage dispensing.
- Deionized water.
- Liquid food products.
- Air and water lines.
- Powdered food products.
- Potable water transfer.
- Air breathing lines.
- Pneumatic lines.
- Packaging machines.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Lengths |            | Approx. Wt. per Pkg. |            |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|------------------|------------|----------------------|------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Full Coil        | Cut Length | Full Coil            | Cut Length |
| K3150      | 03        | 3/16       | 4.8  | .375       | 9.5  | 250                          | 150            | 300 ft.          | 100 ft.    | 13 lbs.              | 4 lbs.     |
| K3150      | 04        | 1/4        | 6.5  | .438       | 11.1 | 250                          | 150            | 300 ft.          | 100 ft.    | 17 lbs.              | 6 lbs.     |
| K3150      | 05        | 5/16       | 7.9  | .531       | 13.5 | 250                          | 135            | 300 ft.          | 100 ft.    | 24 lbs.              | 8 lbs.     |
| K3150      | 06        | 3/8        | 9.5  | .594       | 15.1 | 225                          | 125            | 300 ft.          | 100 ft.    | 27 lbs.              | 9 lbs.     |
| K3150      | 08        | 1/2        | 12.7 | .750       | 19.1 | 200                          | 100            | 300 ft.          | 100 ft.    | 40 lbs.              | 13 lbs.    |
| K3150      | 10        | 5/8        | 15.9 | .891       | 22.6 | 200                          | 100            | 200 ft.          | 100 ft.    | 35 lbs.              | 18 lbs.    |
| K3150      | 12        | 3/4        | 19.1 | 1.031      | 26.2 | 150                          | 85             | 200 ft.          | 100 ft.    | 43 lbs.              | 22 lbs.    |
| K3150      | 16        | 1          | 25.4 | 1.300      | 33.0 | 125                          | 75             | 200 ft.          | 100 ft.    | 59 lbs.              | 30 lbs.    |
| K3150      | 20        | 1 1/4      | 31.8 | 1.620      | 41.1 | 100                          | 55             | 100 ft.          | 50 ft.     | 45 lbs.              | 23 lbs.    |
| K3150      | 24        | 1 1/2      | 38.1 | 1.938      | 49.2 | 100                          | 50             | 100 ft.          | 50 ft.     | 64 lbs.              | 32 lbs.    |
| K3150      | 32        | 2          | 50.8 | 2.490      | 63.2 | 75                           | 35             | 100 ft.          | 50 ft.     | 94 lbs.              | 47 lbs.    |
| K3150      | MM04      | .157       | 4.0  | .354       | 9.0  | 250                          | 150            | —                | 100 ft.    | —                    | 4 lbs.     |
| K3150      | MM06      | .236       | 6.0  | .433       | 11.0 | 250                          | 150            | —                | 100 ft.    | —                    | 6 lbs.     |
| K3150      | MM08      | .315       | 8.0  | .531       | 13.5 | 250                          | 135            | —                | 100 ft.    | —                    | 8 lbs.     |
| K3150      | MM10      | .394       | 10.0 | .630       | 16.0 | 225                          | 125            | —                | 100 ft.    | —                    | 10 lbs.    |
| K3150      | MM12      | .472       | 12.0 | .709       | 18.0 | 200                          | 100            | —                | 100 ft.    | —                    | 12 lbs.    |
| K3150      | MM19      | .748       | 19.0 | 1.024      | 26.0 | 150                          | 85             | —                | 100 ft.    | —                    | 21 lbs.    |



† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

CLEARBRAID® is a registered trademark of Accuflex Industrial Hose, Ltd. and is used under license by Kuriyama of America, Inc.

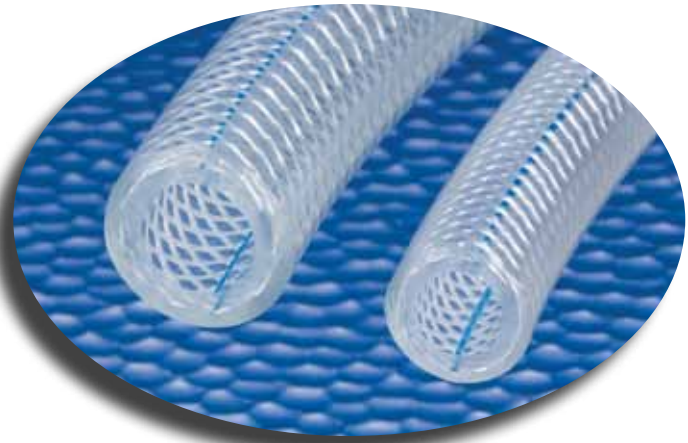
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>, UL<sup>(16)</sup>, USDA<sup>(17)</sup>, USP<sup>(18)</sup>**

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## CLEARBRAID® K3130 Series BF Heavy Wall PVC Food & Beverage Hose



A heavier walled crystal clear yarn reinforced hose suitable for a wide variety of food and beverage applications.

### Construction:

Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(17)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(16)</sup>, RoHS<sup>(15)</sup> and USP<sup>(18)</sup> Class VI criteria. Reinforced with spiraled polyester yarn and longitudinal blue tracer yarns for identification.

### Features:

- Constructed with non-toxic compounds.
- NSF-51 certified material.
- Crystal clear — allows visual confirmation of product flow.
- Longitudinally-reinforced to reduce elongation under pressure.
- Light weight.
- Self-extinguishing.
- Non-marking.

- Silicone-free.
- One-piece lengths.
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 73 ±3 Shore "A".

### Applications:

- Food & beverage dispensing.
- Deionized water.
- Liquid food products.
- Air and water lines.
- Powdered food products.
- Potable water transfer.
- Air breathing lines.
- Pneumatic lines.
- Packaging machines.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Lengths |            | Approx. Wt. per Pkg. |            |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|------------------|------------|----------------------|------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Full Coil        | Cut Length | Full Coil            | Cut Length |
| K3130      | 02        | 1/8        | 3.2  | .328       | 8.3  | 350                          | 200            | 300 ft.          | 100 ft.    | 12 lbs.              | 4 lbs.     |
| K3130      | 03        | 3/16       | 4.8  | .406       | 10.3 | 350                          | 200            | 300 ft.          | 100 ft.    | 17 lbs.              | 6 lbs.     |
| K3130      | 04        | 1/4        | 6.5  | .500       | 12.7 | 350                          | 200            | 300 ft.          | 100 ft.    | 24 lbs.              | 8 lbs.     |
| K3130      | 05        | 5/16       | 7.9  | .563       | 14.3 | 275                          | 160            | 300 ft.          | 100 ft.    | 28 lbs.              | 9 lbs.     |
| K3130      | 06        | 3/8        | 9.5  | .625       | 15.9 | 275                          | 145            | 300 ft.          | 100 ft.    | 32 lbs.              | 11 lbs.    |
| K3130      | 08        | 1/2        | 12.7 | .813       | 20.7 | 250                          | 130            | 300 ft.          | 100 ft.    | 52 lbs.              | 17 lbs.    |
| K3130      | 10        | 5/8        | 15.9 | 1.000      | 25.4 | 225                          | 125            | 200 ft.          | 100 ft.    | 52 lbs.              | 26 lbs.    |
| K3130      | 12        | 3/4        | 19.1 | 1.125      | 28.6 | 200                          | 120            | 200 ft.          | 100 ft.    | 60 lbs.              | 30 lbs.    |
| K3130      | 16        | 1          | 25.4 | 1.375      | 34.9 | 150                          | 85             | 200 ft.          | 100 ft.    | 76 lbs.              | 38 lbs.    |
| K3130      | 20        | 1 1/4      | 31.8 | 1.750      | 44.5 | 125                          | 75             | 100 ft.          | 50 ft.     | 64 lbs.              | 32 lbs.    |
| K3130      | 24        | 1 1/2      | 38.1 | 2.000      | 50.8 | 100                          | 65             | 100 ft.          | 50 ft.     | 75 lbs.              | 38 lbs.    |
| K3130      | 32        | 2          | 50.8 | 2.500      | 63.5 | 75                           | 55             | 100 ft.          | 50 ft.     | 96 lbs.              | 48 lbs.    |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

CLEARBRAID® is a registered trademark of Accuflex Industrial Hose, Ltd. and is used under license by Kuriyama of America, Inc.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>, USDA<sup>(17)</sup>, UL<sup>(16)</sup>, USP<sup>(18)</sup>**

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**Kuri Tec®**

# THE CLEAR EVOLUTION!

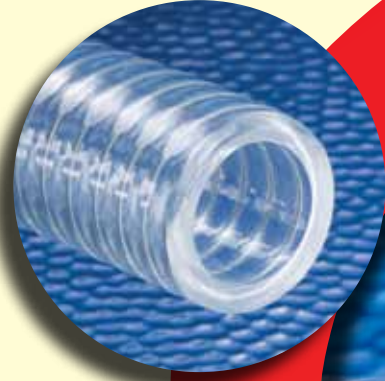
- CRYSTAL CLEAR PVC • GLASS SMOOTH INTERIOR
- ABRASION RESISTANT • COMPLIES WITH - 3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>, USDA<sup>(17)</sup>

## POLYWIRE® PLUS SERIES K7300

- Wire Reinforced For Vacuum and Static Dissipation
- Yarn Reinforced For Pressure
- Kink Resistant for Tight Bends

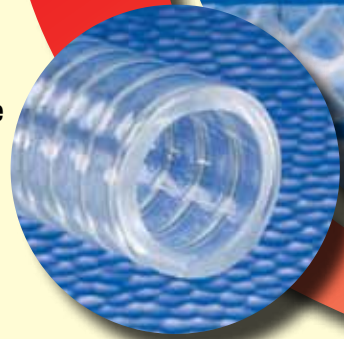


**POLYWIRE® PLUS  
THE BEST OF BOTH DESIGNS  
IN ONE HOSE!**

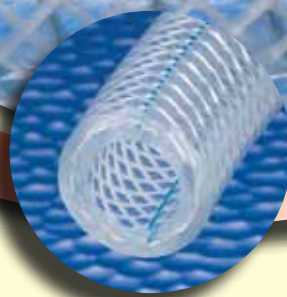


**POLYWIRE®**  
Series K7130  
Heavy Wall

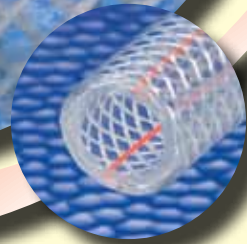
- Helical Wire
- Full Vacuum
- Grounding Wire for Static Dissipation
- Kink Resistant Design



**POLYSPRING®**  
Series K7160  
Standard Wall



**CLEARBRAID®** Series K3130  
Heavy Wall



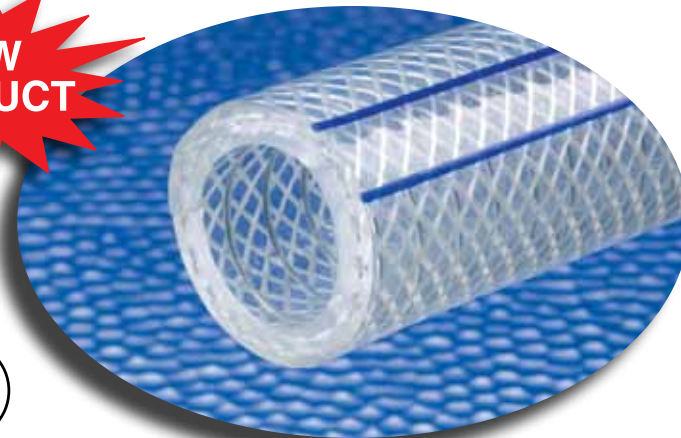
**CLEARBRAID®**  
Series K3150  
Standard Wall

- Yarn Reinforced for High Pressure Applications

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.



# Kuri Tec®



## POLYWIRE® PLUS Series K7300 Hose Heavy Wall Wire-Yarn Reinforced Vacuum/ Pressure Hose



A unique crystal clear PVC hose suitable for applications requiring a vacuum hose with higher pressure capability or as a pressure hose with vacuum capability.

### Construction:

- Crystal clear PVC compound reinforced with high tensile yarns and helically-wound spring steel wire.
- The inner food contact surface is made with PVC compound formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(17)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup> and RoHS<sup>(15)</sup> criteria.

### Features:

- Wire helix reinforcement prevents kinking or collapsing... hose diameter will not expand under normal rated working pressures.
- 29.9" Hg vacuum rating @ 70°F.
- Electrogalvanized helical steel wire can be used for static dissipation (see below ††).
- Yarn reinforcement provides higher working pressure.
- Heavy duty construction prevents hose O.D. from expanding and I.D. from collapsing.

- Crystal clear – allows visual confirmation of product flow  
Glass-smooth interior – reduces material buildup.
- Inner contact surface material is NSF certified for food applications (standard 51). It also meets other criteria such as 3A and USDA.
- Resistant to chemicals (see chemical-resistance chart in Kuri Tec Catalog).
- Self-extinguishing.
- Non-marking.
- Non-toxic.
- Silicone-free.

### Applications:

- Pressure and vacuum applications which require excellent kink resistance.
- Ideal for applications which require the hose to withstand both high vacuum and pressure.
- Water transfer.
- Liquid food transfer.

Service Temperature Range: +15°F (-9°C) to +150°F (+65°C)

### Nominal Specifications



| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. | Min. Bend Radius @ 70°F |
|------------|-----------|------------|------|------------|------|---------------------------------|----------------|-----------------------|----------------------|-------------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                   | @ 122°F (50°C) |                       |                      |                         |
| K7300      | 08        | 1/2        | 12.7 | .906       | 23.0 | 250                             | 125            | 25/50/100 ft.         | 6.5/13/26 lbs.       | 2"                      |
| K7300      | 12        | 3/4        | 19.1 | 1.196      | 30.4 | 225                             | 112            | 25/50/100 ft.         | 10/20/40 lbs.        | 2 1/2"                  |
| K7300      | 16        | 1          | 25.4 | 1.464      | 37.2 | 225                             | 112            | 25/50/100 ft.         | 13.3/26.5/53 lbs.    | 3 1/2"                  |
| K7300      | 20        | 1 1/4      | 31.8 | 1.780      | 45.2 | 175                             | 87             | 25/50 ft.             | 18.5/37 lbs.         | 4 1/2"                  |
| K7300      | 24        | 1 1/2      | 38.1 | 2.030      | 51.6 | 175                             | 87             | 25/50 ft.             | 21.5/43 lbs.         | 5 1/2"                  |
| K7300      | 32        | 2          | 50.8 | 2.600      | 66.0 | 150                             | 75             | 25/50 ft.             | 32/64 lbs.           | 7"                      |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.  
†† Caution: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>, USDA<sup>(17)</sup>**

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REINFORCED WATER SUPPLY & FOOD GRADE HOSES



**Kuri Tec®**



**POLYSPRING®  
Series K7160**

**Standard Wall PVC Food  
& Beverage Vacuum/  
Transfer Hose**

Standard wall food and beverage grade vacuum/transfer hose with rated working pressures.

**Construction:**

Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(17)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup> and RoHS<sup>(15)</sup> criteria. Reinforced with helically-wound spring steel wire.

**Features:**

- 29.9" HG vacuum rating.
- Spiral wire reinforcement prevents kinking or collapsing . . . hose diameter will not expand under normal rated working pressures.
- Crystal clear — allows visual confirmation of product flow.
- Glass-smooth interior — reduces material buildup.
- Electrogalvanized helical steel wire can be used for static dissipation (see below‡).
- Resistant to chemicals (see chemical-resistance chart).

- Self-extinguishing.
- Non-marking.
- Non-toxic.
- Silicone-free.
- One-piece lengths.
- Special cut piece lengths available through 1" ID size — check with factory.

**Applications:**

- Full vacuum lines.
- Industrial vacuum pumps.
- Food & beverage dispensing.
- Air and water supply lines.
- Pneumatic parts transfer.
- Car wash applications.
- Coolant lines.
- Air breathing lines.
- Deionized water systems.

**Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)**

**Nominal Specifications**



| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. | Min. Bend Radius @ 70°F |
|------------|-----------|------------|------|------------|------|---------------------------------|----------------|-----------------------|----------------------|-------------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                   | @ 122°F (50°C) |                       |                      |                         |
| K7160      | 04        | 1/4        | 6.4  | .460       | 11.7 | 150                             | 70             | 50/100 ft.            | 3.5/7 lbs.           | 1"                      |
| K7160      | 06        | 3/8        | 9.5  | .600       | 15.2 | 100                             | 70             | 50/100 ft.            | 5.5/11 lbs.          | 1 1/2"                  |
| K7160      | 08        | 1/2        | 12.7 | .750       | 19.1 | 100                             | 70             | 50/100 ft.            | 7.5/15 lbs.          | 2"                      |
| K7160      | 10        | 5/8        | 15.9 | .891       | 22.6 | 100                             | 50             | 50/100 ft.            | 9.5/19 lbs.          | 2 1/2"                  |
| K7160      | 12        | 3/4        | 19.1 | 1.031      | 26.2 | 70                              | 50             | 50/100 ft.            | 12/24 lbs.           | 3"                      |
| K7160      | 16        | 1          | 25.4 | 1.297      | 32.9 | 70                              | 35             | 50/100 ft.            | 16.5/33 lbs.         | 4"                      |
| K7160      | 20        | 1 1/4      | 31.8 | 1.609      | 40.9 | 70                              | 35             | 50 ft.                | 25 lbs.              | 5"                      |
| K7160      | 24        | 1 1/2      | 38.1 | 1.860      | 47.2 | 50                              | 30             | 50 ft.                | 29 lbs.              | 6"                      |
| K7160      | 32        | 2          | 50.8 | 2.391      | 60.7 | 50                              | 30             | 50 ft.                | 42 lbs.              | 8"                      |
| K7160      | 36        | 2 1/4      | 57.2 | 2.750      | 69.9 | 50                              | 30             | 50 ft.                | 58 lbs.              | 9"                      |
| K7160      | 40        | 2 1/2      | 63.5 | 3.000      | 76.2 | 50                              | 30             | 50 ft.                | 69 lbs.              | 10"                     |
| K7160      | 48        | 3          | 76.2 | 3.500      | 88.9 | 50                              | 30             | 25/50 ft.             | 40.5/81 lbs.         | 12"                     |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

‡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

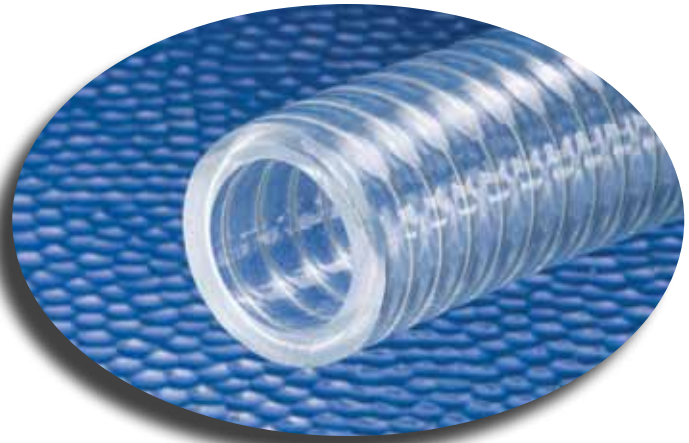
**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>, USDA<sup>(17)</sup>, USP<sup>(18)</sup>**

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## POLYWIRE® Series K7130

### Heavy Wall PVC Food & Beverage Vacuum/ Transfer Hose



Heavy wall food and beverage grade vacuum/transfer hose with rated working pressures.

#### Construction:

Crystal clear PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(17)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(16)</sup>, USP<sup>(18)</sup> and RoHS<sup>(15)</sup> criteria. Reinforced with helically-wound spring steel wire.

#### Features:

- 29.9" HG vacuum rating.
- Spiral wire reinforcement prevents kinking or collapsing . . . hose diameter will not expand under normal rated working pressures.
- Crystal clear — allows visual confirmation of product flow.
- Glass-smooth interior — reduces material buildup.
- Electrogalvanized helical steel wire can be used for static dissipation (see below‡).
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 73 ±3 Shore "A".

- Self-extinguishing.
- Non-marking.
- Non-toxic.
- Silicone-free.
- One-piece lengths.
- Special cut piece lengths available through 1" ID size — check with factory.

#### Applications:

- Full vacuum lines.
- Industrial vacuum pumps.
- Food & beverage dispensing.
- Air and water supply lines.
- Car wash applications.
- Coolant lines.
- Air breathing lines.
- Pneumatic parts transfer.
- Deionized water systems.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. | Min. Bend Radius @ 70°F |
|------------|-----------|------------|------|------------|------|---------------------------------|----------------|-----------------------|----------------------|-------------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                   | @ 122°F (50°C) |                       |                      |                         |
| K7130      | 04        | 1/4        | 6.4  | .500       | 12.7 | 250                             | 80             | 50/100 ft.            | 5/10 lbs.            | 1"                      |
| K7130      | 06        | 3/8        | 9.5  | .625       | 15.9 | 150                             | 80             | 50/100 ft.            | 6.5/13 lbs.          | 1 1/2"                  |
| K7130      | 08        | 1/2        | 12.7 | .813       | 20.7 | 150                             | 80             | 50/100 ft.            | 10.5/21 lbs.         | 2"                      |
| K7130      | 10        | 5/8        | 15.9 | 1.000      | 25.4 | 150                             | 65             | 50/100 ft.            | 15/30 lbs.           | 2 1/2"                  |
| K7130      | 12        | 3/4        | 19.1 | 1.125      | 28.6 | 150                             | 65             | 50/100 ft.            | 18/36 lbs.           | 3"                      |
| K7130      | 16        | 1          | 25.4 | 1.375      | 34.9 | 100                             | 50             | 50/100 ft.            | 22/44 lbs.           | 4"                      |
| K7130      | 20        | 1 1/4      | 31.8 | 1.750      | 44.5 | 100                             | 50             | 50 ft.                | 37 lbs.              | 5"                      |
| K7130      | 24        | 1 1/2      | 38.1 | 2.000      | 50.8 | 100                             | 35             | 50 ft.                | 42 lbs.              | 6"                      |
| K7130      | 32        | 2          | 50.8 | 2.500      | 63.5 | 100                             | 35             | 50 ft.                | 56 lbs.              | 8"                      |



† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

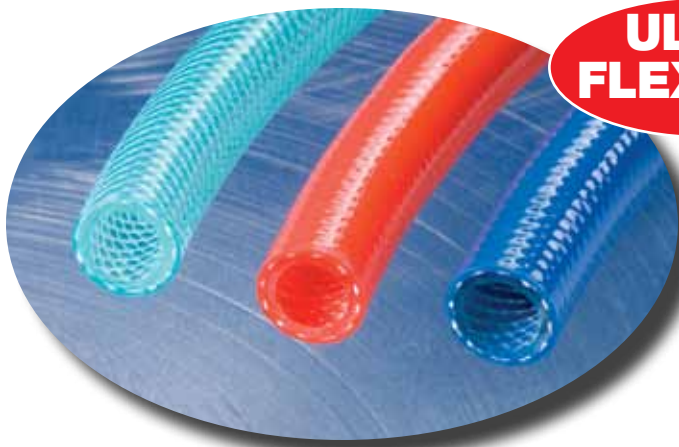
‡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, RoHS<sup>(15)</sup>, UL<sup>(16)</sup>, USDA<sup>(17)</sup>, USP<sup>(18)</sup>**

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**ULTRA FLEXIBLE!**

**Kuri Tec®**

**PNEU-THANE™  
Series K5090,  
K5094, K5096**

**Lightweight Reinforced  
Polyurethane Pneumatic  
Air Tool Hose**

An extremely lightweight, tough, flexible pneumatic air tool hose that is suitable for a wide range of industrial and construction applications.

**Construction:**

- Tube — Clear ether-based polyurethane.
- Reinforcement — High tensile strength yarn.
- Cover — Ether-based polyurethane, available in three colors: K5090 – Aqua Tint, K5094 – Red, K5096 – Blue.

**Features:**

- Very lightweight and flexible . . . helps to cut down on work-related injuries.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to oils and solvents.
- High oil resistance, complies with RMA's Class A Designation.
- Superior cut-resistance.
- High abrasion-resistance . . . provides extra long life compared with conventional PVC or rubber air hoses.

- Good resistance to hydrolysis and algae in warm water applications.
- Silicone-free core and cover.
- Non-conductive compounds.
- Non-marking cover.
- One-piece lengths.
- Individually shrink-wrapped assemblies are available, see page 39.
- RoHS<sup>(15)</sup> compliant.

**Applications:**

- For use with pneumatic air tools such as roofing nailers, sanders, chippers, impact wrenches, screwdrivers and staplers.
- In-plant assembly line air service.
- Automotive repair and body shops.
- Construction sites.
- Marine applications.
- Air service for spray painting equipment.

**Service Temperature Range: -40°F (-40°C) to +185°F (+85°C)**

**Nominal Specifications**

| Standard Stock Colors |                         | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Standard Lengths |          | Approx. Wt. per Pkg. |         |
|-----------------------|-------------------------|-----------|------------|------|------------|------|---------------------------------|---------------|------------------|----------|----------------------|---------|
| K5090 Aqua            | K5094 Red<br>K5096 Blue |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) | Reel             | Coil/Box | 500 ft.              | 100 ft. |
| ✓                     | ✓                       | 04        | 1/4        | 6.5  | .395       | 10.0 | 250                             | 200           | 500 ft.          | 100 ft.  | 27 lbs.              | 4 lbs.  |
| ✓                     | ✓                       | 05        | 5/16       | 8.0  | .472       | 12.0 | 250                             | 200           | 500 ft.          | 100 ft.  | 32 lbs.              | 5 lbs.  |
| ✓                     | ✓                       | 06        | 3/8        | 9.5  | .560       | 14.2 | 250                             | 200           | 500 ft.          | 100 ft.  | 47 lbs.              | 8 lbs.  |
| ✓                     | ✓                       | 08        | 1/2        | 12.5 | .688       | 17.5 | 250                             | 200           | 500 ft.          | 100 ft.  | 57 lbs.              | 10 lbs. |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series A1141, A1144, A1146, A1148

### Special Purpose PVC/ Polyurethane Air Hose



This special blended hose is ideal for general air and water applications that need to operate at higher temperatures than traditional PVC hoses.

#### Construction:

- Tube — Grey PVC/polyurethane alloy.
- Reinforcement — High tensile strength yarn.
- Cover — PVC/polyurethane alloy, available in four colors: A1141 – Yellow, A1144 — Red, A1146 — Blue, A1148 – Grey.

#### Features:

- Grey core tube has excellent cut resistance . . . complies with RMA's Class A designation for high oil resistance.
- Highly abrasion-resistant alloy jacket.
- Smooth, non-marking pin-pricked cover.
- Good flexibility over a wide temperature range.
- Good fitting retention at elevated temperatures.

- Silicone-free.
- One-piece lengths.
- RoHS<sup>(15)</sup> compliant.

#### Applications:

- Transfer of air and water.
- Ideal for applications in rugged or higher temperature environments.
- Induction welding tubing lines.
- Injection molding coolant lines.
- Transfer of deionized water.
- Transfer of transmission and power steering fluids.
- Lubrication/air drop lines.
- Robotic and pneumatic air lines.
- Automotive assembly line air hoses.

**Note:** Not recommended for transfer of brake fluids.

Service Temperature Range: 0°F (-18°C) to +185°F (+85°C)

### Nominal Specifications

| Standard Stock Colors |  | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Standard Length Reels | Approx. Weight per Pkg. |
|-----------------------|--|-----------|------------|------|------------|------|---------------------------------|---------------|-----------------------|-------------------------|
| A1144 Red             | A1141 Yellow<br>A1146 Blue<br>A1148 Grey |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                       |                         |
| ✓                     | ✓  | 04        | 1/4        | 6.5  | .460       | 11.7 | 300                             | 200           | 500 ft.               | 37 lbs.                 |
| *                     |  | 05        | 5/16       | 8.0  | .520       | 13.2 | 300                             | 200           | 500 ft.               | 44 lbs.                 |
| ✓                     | ✓  | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                             | 200           | 500 ft.               | 67 lbs.                 |
| ✓                     | ✓  | 08        | 1/2        | 12.7 | .770       | 19.6 | 300                             | 200           | 500 ft.               | 88 lbs.                 |
| *                     |  | 10        | 5/8        | 15.9 | .969       | 24.6 | 300                             | 175           | 300 ft.               | 76 lbs.                 |
| ✓                     | ✓  | 12        | 3/4        | 19.0 | 1.060      | 26.9 | 300                             | 150           | 300 ft.               | 79 lbs.                 |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\* **Note:** Series A1144 5/16" and 5/8" ID sizes are non stock items.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

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# TUNDRA-AIR® Series K1231, K1232 K1234, K1236 Air & Water Hose



These hoses, made from specially formulated compounds of high grade PVC resin, are engineered to be tough and flexible at very low temperatures. The superior physical properties and design of the hose makes it outperform other general purpose PVC and rubber hoses in cold weather air tool applications.

**Construction:**

- Tube — High grade low temperature PVC compound.
- Reinforcement — High tensile strength polyester yarn.
- Cover — High grade low temperature PVC compound, available in four colors: K1231 - Yellow, K1232 - Orange, K1234 - Red, K1236 - Blue.

**Features:**

- Excellent low temperature flexibility.
- Extremely easy to handle, even in cold weather where other PVC hoses become stiff.
- Excellent abrasion resistance.
- Resilient material avoids permanent deformation caused by stresses.

- One-piece lengths.
- Medium Class B oil resistance.
- Non-marking pin-pricked cover.
- Light weight.
- Silicone-free materials.
- RoHS<sup>(15)</sup> compliant.
- Individually shrink-wrapped assemblies are available, see page 39.

**Applications:**

- Outdoor air and water hose for use in cold weather, where flexibility is required.
- Ideal for in-plant applications that require very easy handling in tight workspaces.
- In-plant freezer applications requiring air or water service.
- A versatile, lightweight multi-function hose for air, water, or mild chemical use.

Service Temperature Range: -65°F (-54°C) to +150°F (+65°C)

**Nominal Specifications**

| Standard Stock Colors |              |           |            | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length<br>Coils/Reels | Approx. Wt. per Pkg. |          |         |
|-----------------------|--------------|-----------|------------|-----------|------------|------|------------|------|------------------------------|----------------|--------------------------------|----------------------|----------|---------|
| K1231 Yellow          | K1232 Orange | K1234 Red | K1236 Blue |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                                | 100 ft.              | 300 ft.  | 500 ft. |
| ✓                     |              | ✓         | ✓          | 04        | 1/4        | 6.5  | .500       | 12.7 | 300                          | 160            | 100/500 ft.                    | 8 lbs.               |          | 38 lbs. |
| ✓                     |              | ✓         | ✓          | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                          | 160            | 100/500 ft.                    | 10 lbs.              |          | 52 lbs. |
| ✓                     |              | ✓         | ✓          | 08        | 1/2        | 12.7 | .781       | 19.8 | 300                          | 160            | 100/500 ft.                    | 15 lbs.              |          | 77 lbs. |
| *                     | ✓            | *         | *          | 12        | 3/4        | 19.1 | 1.080      | 27.4 | 200                          | 120            | 100/300 ft.                    | 25 lbs.              | 74 lbs.  |         |
| *                     | ✓            | *         | *          | 16        | 1          | 25.4 | 1.360      | 34.5 | 200                          | 120            | 100/300 ft.                    | 35 lbs.              | 104 lbs. |         |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\*Note: Series K1231, K1234 and K1236 in 3/4" and 1" ID sizes are non stock items.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## POLYAIR® Series K1131, K1134, K1136, K1137, K1138 Multi-Purpose Air & Water Hose



Our high quality flexible PVC compounds are uniquely blended to make this hose look and feel like comparable rubber hose and stay flexible at low temperatures. Its light weight makes it an ideal hose for air tool applications.

### Construction:

- Tube — Black PVC compound.
- Reinforcement — Spiral polyester yarn with additional longitudinal yarns . . . reduces elongation under pressure.
- Cover — PVC compound in five colors: K1131 - Yellow, K1134 - Red, K1136 - Blue, K1137 - Green, K1138 - Grey.

### Features:

- U. V. and weather resistant.
- Excellent cold weather flexibility.
- Easily re-coiled after use.
- Medium/high oil resistance, complies with RMA's Class B Designation.
- Non-marking pin-pricked cover.

- Lightweight.
- One-piece lengths.
- Chemical resistance of PVC.
- Silicone-free core and cover.
- RoHS<sup>(15)</sup> compliant.
- Individually shrink-wrapped assemblies are available, see page 40.

### Applications:

- Ideal for in-plant applications requiring color coding of hose supply lines.
- Transfer of air, water and mild water-soluble chemicals.
- Outdoor applications requiring a low temperature hose.
- General air supply line for pneumatic tools and paint spray systems.
- Low pressure spray hose for water-soluble chemicals.

Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

### Nominal Specifications

| Standard Stock Colors |  |             | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                  | Standard Lengths |         | Approx. Weight per Pkg. |         |
|-----------------------|--|-------------|-----------|------------|------|------------|------|------------------------------|------------------|------------------|---------|-------------------------|---------|
| K1134 Red             | K1131 Yellow<br>K1136 Blue<br>K1138 Grey | K1137 Green |           | (In)       | (mm) | (In)       | (mm) | @70°F<br>(20°C)              | @122°F<br>(50°C) | Reel             | Coil    | Reel                    | Coil    |
| ✓                     | ✓  |             | 04        | 1/4        | 6.5  | .500       | 12.7 | 300                          | 180              | 500 ft.          | 100 ft. | 44 lbs.                 | 8 lbs.  |
| ✓                     | ✓  |             | 05        | 5/16       | 8.0  | .625       | 15.9 | 300                          | 180              | 500 ft.          | 100 ft. | 67 lbs.                 | 13 lbs. |
| ✓                     | ✓  | ✓           | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                          | 180              | 500 ft.          | 100 ft. | 58 lbs.                 | 11 lbs. |
| ✓                     | ✓  |             | 08        | 1/2        | 12.7 | .813       | 20.7 | 300                          | 180              | 500 ft.          | 100 ft. | 93 lbs.                 | 18 lbs. |
| ✓                     | ✓  |             | 10        | 5/8        | 15.9 | .906       | 23.0 | 250                          | 125              | 300 ft.          | 100 ft. | 64 lbs.                 | 19 lbs. |
| ✓                     | ✓  |             | 12        | 3/4        | 19.0 | 1.125      | 28.6 | 250                          | 100              | 300 ft.          | 100 ft. | 96 lbs.                 | 30 lbs. |
| ✓                     | ✓  |             | 16        | 1          | 25.4 | 1.406      | 35.7 | 250                          | 100              | 300 ft.          | 100 ft. | 130 lbs.                | 41 lbs. |

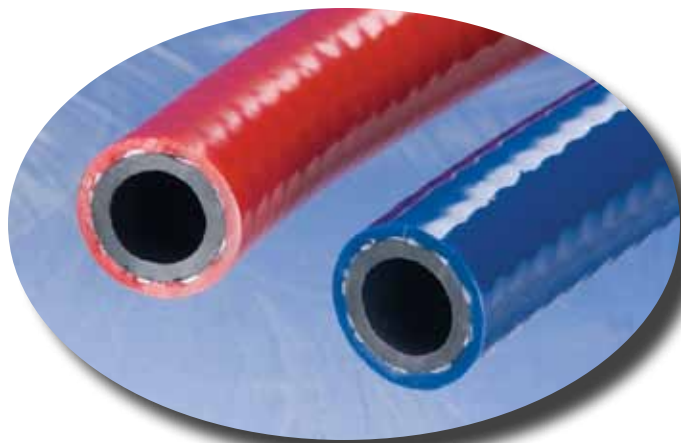
† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

### RoHS<sup>(15)</sup>

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

## Series K1154, K1156

### General Purpose PVC Air & Water Hose

A general purpose PVC air and water hose for in plant and outdoor applications in temperate climate conditions.

**Construction:**

- Tube — Black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — PVC compound, available in two colors: K1154 – Red and K1156 – Blue.

**Features:**

- Economical, flexible and lightweight.
- Excellent abrasion resistance.
- U. V. and weather resistant.
- Non-marking pin-pricked cover.

- Silicone-free core and cover.
- Complies with RMA's Class B designation for medium/high oil resistance.
- One piece lengths.

**Applications:**

- Transfer of air, water and mild water soluble chemicals.
- Ideal for in-plant applications that require an economical general purpose hose.
- Excellent air supply line for pneumatic tools and paint spray systems.

Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. |            | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |               | Standard Length |         | Approx. Wt. per Pkg. |         |
|------------|------------|-----------|------------|------|------------|------|------------------------------|---------------|-----------------|---------|----------------------|---------|
| K1154 Red  | K1156 Blue |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                 | @122°F (50°C) | Reel            | Coil    | Reel                 | Coil    |
| ✓          | ✓          | 04        | 1/4        | 6.4  | .500       | 12.7 | 300                          | 150           | 500 ft.         | 100 ft. | 44 lbs.              | 8 lbs.  |
| ✓          | ★          | 05        | 5/16       | 7.9  | .625       | 15.9 | 300                          | 150           | 500 ft.         | 100 ft. | 68 lbs.              | 13 lbs. |
| ✓          | ✓          | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                          | 150           | 500 ft.         | 100 ft. | 56 lbs.              | 11 lbs. |
| ✓          | ✓          | 08        | 1/2        | 12.7 | .750       | 19.1 | 300                          | 150           | 500 ft.         | 100 ft. | 77 lbs.              | 14 lbs. |
| ✓          | ✓          | 10        | 5/8        | 15.9 | .895       | 22.6 | 200                          | 100           | 300 ft.         | 100 ft. | 60 lbs.              | 18 lbs. |
| ✓          | ✓          | 12        | 3/4        | 19.1 | 1.030      | 26.2 | 200                          | 75            | 300 ft.         | 100 ft. | 72 lbs.              | 22 lbs. |
| ✓          | ✓          | 16        | 1          | 25.4 | 1.313      | 33.3 | 150                          | 75            | 300 ft.         | 100 ft. | 105 lbs.             | 31 lbs. |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

★ Note: Series K1156 5/16" ID size is a non stock item.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series K1171, K1173 K1174, K1176

### General Service PVC Air & Water Hose



**NEW  
BLACK  
COLOR!**

**REINFORCED AIR & WATER HOSES**

A general service PVC air and water hose for indoor or outdoor applications requiring a lightweight hose that can operate at lower temperatures.

**Construction:**

- Tube — Black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — PVC compound, available in four colors: K1171 – Yellow, K1173 - Black, K1174 – Red, K1176 – Blue.

**Features:**

- Economical, lightweight, low temperature alternative to rubber hose.
- Excellent abrasion resistance.
- 300 PSI working pressure on all sizes.
- U. V. and weather resistant.
- Non-marking pin-pricked cover.

- Complies with RMA's Class B designation for medium/high oil resistance.
- One piece lengths.
- Formulated for low temperature flexibility.
- Individually shrink-wrapped assemblies are available, see page 41.

**Applications:**

- Transfer of air, water and mild water soluble chemicals.
- Ideal for in-plant and outdoor applications that require an economical general purpose hose.
- Excellent air supply line for pneumatic tools and paint spray systems.

Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

| Standard Stock Colors |             |           |            | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|-----------------------|-------------|-----------|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
| K1171 Yellow          | K1173 Black | K1174 Red | K1176 Blue |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| ✓                     |             | ✓         | ✓          | 04        | 1/4        | 6.5  | .475       | 12.1 | 300                          | 150            | 500 ft.               | 36 lbs.              |
| ✓                     | ✓           | ✓         | ✓          | 06        | 3/8        | 9.5  | .600       | 15.2 | 300                          | 150            | 500 ft.               | 48 lbs.              |
| ✓                     |             | ✓         | ✓          | 08        | 1/2        | 12.7 | .750       | 19.1 | 300                          | 150            | 300 ft.               | 42 lbs.              |
|                       |             | ✓         | ✓          | 10        | 5/8        | 15.9 | .860       | 21.8 | 250                          | 125            | 300 ft.               | 46 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

**Series K1181,  
K1184, K1186  
Utility Grade PVC Air Hose**

A lightweight utility air and water hose economically designed for indoor and outdoor applications operating in temperate climate conditions.

**Construction:**

- Tube — Black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — PVC compound, available in three colors: K1181 – Yellow, K1184 – Red, K1186 – Blue.

**Features:**

- Economical, lightweight construction.
- U. V. and weather resistant.
- One-piece coils.
- Individually shrink-wrapped assemblies are available, see page 41.

**Applications:**

- Transfer of air, water and mild water soluble chemicals.
- Indoor/outdoor air tool service.

Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

**Nominal Specifications**

| Standard Stock Colors |           |            | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI)<br>@ 70° F (20° C) | Standard Length Coils | Approx. Wt. per Coil (lbs) |
|-----------------------|-----------|------------|-----------|------------|------|------------|------|---|-----------------------|----------------------------|
| K1181 Yellow          | K1184 Red | K1186 Blue |           | (in)       | (mm) | (in)       | (mm) |   |                       |                            |
| ✓                     | ✓         | ✓          | 04        | 1/4        | 6.5  | .475       | 12.1 | 300   | 500 ft.               | 35.0                       |
| ✓                     | ✓         | ✓          | 06        | 3/8        | 9.5  | .600       | 15.2 | 300   | 500 ft.               | 47.5                       |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series K2163 Contractor PVC Water Hose



A heavy duty PVC water hose suitable for general industrial water and construction applications.

**Construction:**

- Tube: Black PVC compound.
- Reinforcement: High tensile strength yarn.
- Cover: Black PVC weather resistant compound.

**Features:**

- Cost effective.
- Lightweight.
- Higher working and burst pressures.
- Weather resistant PVC cover.

- Silicone-free.
- One-piece lengths.
- Individually shrink-wrapped assemblies are available, see page 42.

**Applications:**

- Construction water transfer.
- Heavy duty industrial and commercial watering.
- Irrigation supply lines.
- Municipal maintenance watering.

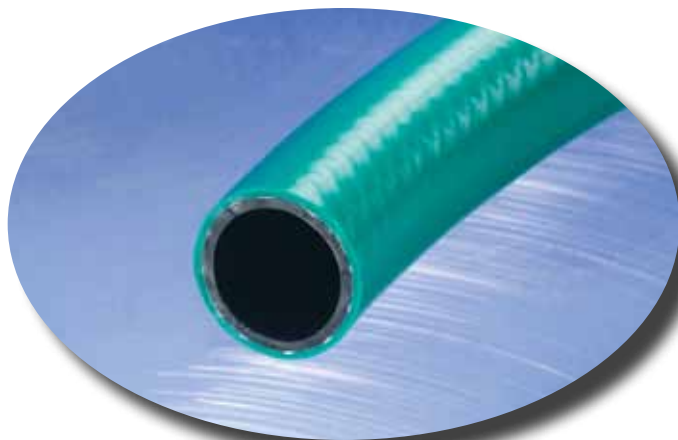
**Service Temperature Range:** +25°F (-4°C) to +150°F (+65°C)

| Nominal Specifications |           |            |      |            |      |                              |                |                       |                      |
|------------------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
| Series No.             | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|                        |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| K2163                  | 12        | 3/4        | 19.1 | 1.030      | 26.2 | 150                          | 75             | 300 ft.               | 65 lbs.              |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

**Series A1307  
Standard Duty Reinforced  
PVC Water Hose**

An all-purpose PVC hose for light duty industrial watering applications.

**Construction:**

- Tube — Smooth black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — Smooth opaque green PVC compound.

**Features:**

- Economical.
- Lightweight and easy to handle.
- Good resistance to weather aging, ozone and ultraviolet light.
- Silicone-free.
- One-piece lengths.

**Applications:**

- Light duty industrial watering.
- Lawn and garden watering.
- Nursery water supply lines.
- Light duty commercial washdown.

**Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)**

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| A1307      | 08        | 1/2        | 12.7 | .692       | 17.6 | 125                          | 50             | 300 ft.               | 34 lbs.              |
| A1307      | 10        | 5/8        | 15.9 | .817       | 20.8 | 125                          | 50             | 300 ft.               | 40 lbs.              |
| A1307      | 12        | 3/4        | 19.1 | .972       | 24.7 | 100                          | 40             | 300 ft.               | 53 lbs.              |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series A1317 Heavy Duty Reinforced PVC Water Hose



**SUPERIOR  
DURABILITY!**

An all-purpose heavy duty PVC hose that's ideal for golf courses, parks and construction projects.

### Construction:

- Tube — Smooth black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — Smooth transparent green PVC compound.

### Features:

- Higher working and burst pressures.
- Abrasion-resistant cover.
- Good resistance to weather aging.
- Silicone-free.

- One-piece lengths.
- Individually shrink-wrapped assemblies are available, see page 42.

### Applications:

- Golf course water lines.
- Heavy duty commercial and construction use.
- Municipal maintenance and park departments.
- Irrigation supply lines.
- Heavy duty washdown.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| A1317      | 12        | 3/4        | 19.1 | 1.025      | 26.0 | 125                          | 50             | 300 ft.               | 65 lbs.              |
| A1317      | 16        | 1          | 25.4 | 1.297      | 32.9 | 125                          | 50             | 200 ft./300 ft.       | 60 lbs./90 lbs.      |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series HSC2840, HSC2841, HSC2844, HSC2846

### Ether-Based Polyurethane Self-Store Coiled Tubing Assemblies for Air Tool Service

- Standard assemblies have 4" pigtail and 20" whip end.
- Permanent crimped male swivel brass fittings provide greater strength and pull-out resistance . . . rubber bend restrictors over fittings prevents scratches and scuffs. **Note:** Not recommended for transfer of brake fluids.

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID - 1/4" x 1/4" M NPT, 3/8" ID - 3/8" x 1/4" M NPT.  
**Service Temperature Range:** -40°F (-40°C) to +175°F (+80°C)

#### Nominal Specifications

| Series No.<br>HSC2840 Blue Tint<br>HSC2841 Yellow<br>HSC2844 Red<br>HSC2846 Blue | Size Code<br>x<br>Length | Nominal ID |         | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Working Length (ft.) | Coil OD (In) | Standard Package | Approx. Wt. per Pkg. |
|--|--------------------------|------------|---------|------------|------|---------------------------------|---------------|----------------------|--------------|------------------|----------------------|
|  |                          | (In)       | (mm)    | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                      |              |                  |                      |
|  |                          | ✓          | 04 x 10 | 1/4        | 6.5  | .375                            | 9.5           |                      |              |                  |                      |
| ✓  | 04 x 15                  | 1/4        | 6.5     | .375       | 9.5  | 125                             | 75            | 12                   | 2            | 10               | 6.5 lbs.             |
| ✓  | 04 x 20                  | 1/4        | 6.5     | .375       | 9.5  | 125                             | 75            | 16                   | 2            | 10               | 8.5 lbs.             |
| ✓  | 04 x 25                  | 1/4        | 6.5     | .375       | 9.5  | 125                             | 75            | 20                   | 2            | 10               | 10 lbs.              |
| ✓  | 04 x 30                  | 1/4        | 6.5     | .375       | 9.5  | 125                             | 75            | 24                   | 2            | 10               | 12 lbs.              |
| ✓  | 04 x 50                  | 1/4        | 6.5     | .375       | 9.5  | 125                             | 75            | 40                   | 2            | 1                | 2 lbs.               |
| ✓  | 06 x 10                  | 3/8        | 9.5     | .570       | 14.5 | 125                             | 75            | 8                    | 3            | 5                | 5 lbs.               |
| ✓  | 06 x 15                  | 3/8        | 9.5     | .570       | 14.5 | 125                             | 75            | 12                   | 3            | 5                | 7 lbs.               |
| ✓  | 06 x 20                  | 3/8        | 9.5     | .570       | 14.5 | 125                             | 75            | 16                   | 3            | 5                | 9 lbs.               |
| ✓  | 06 x 25                  | 3/8        | 9.5     | .570       | 14.5 | 125                             | 75            | 20                   | 3            | 5                | 11 lbs.              |
| ✓  | 06 x 30                  | 3/8        | 9.5     | .570       | 14.5 | 125                             | 75            | 24                   | 3            | 5                | 12 lbs.              |
| ✓  | 06 x 50                  | 3/8        | 9.5     | .570       | 14.5 | 125                             | 75            | 40                   | 3            | 1                | 4 lbs.               |

## Series HSC2960

### Polyurethane Self-Store Reinforced Hose Assembly



**Note:** Each length of assembled tubing or hose includes a 4" pigtail and a 20" whip end, assembled to 1/4" or optional 3/8" (priced upon request) male NPT permanent crimped swivel brass fittings with rubber bend restrictors. Working length is 80% of nominal length shown. 5/16" & 1/2" ID size tubing is priced upon request. Check for availability.

**Service Temperature Range:** -40°F (-40°C) to +185°F (+85°C)

#### Nominal Specifications

| Series No.<br>HSC2960<br>Aqua Tint | Size Code<br>x<br>Length | Nominal ID |         | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Working Length (ft.) | Coil OD (In) | Standard Package | Approx. Wt. per Pkg. |
|------------------------------------|--------------------------|------------|---------|------------|------|---------------------------------|---------------|----------------------|--------------|------------------|----------------------|
|                                    |                          | (In)       | (mm)    | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                      |              |                  |                      |
|                                    |                          | ✓          | 04 x 15 | 1/4        | 6.5  | .395                            | 9.5           |                      |              |                  |                      |
| ✓                                  | 04 x 25                  | 1/4        | 6.5     | .395       | 9.5  | 225                             | 125           | 20                   | 2            | 10               | 10 lbs.              |
| ✓                                  | 04 x 50                  | 1/4        | 6.5     | .395       | 9.5  | 225                             | 125           | 40                   | 2            | 1                | 2 lbs.               |
| ✓                                  | 06 x 15                  | 3/8        | 9.5     | .570       | 14.5 | 225                             | 125           | 12                   | 3            | 5                | 7 lbs.               |
| ✓                                  | 06 x 25                  | 3/8        | 9.5     | .570       | 14.5 | 225                             | 125           | 20                   | 3            | 5                | 11 lbs.              |
| ✓                                  | 06 x 50                  | 3/8        | 9.5     | .570       | 14.5 | 225                             | 125           | 40                   | 3            | 1                | 4 lbs.               |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. **Note:** Refer to page 13 for Technical Information.  
**Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.**

## PNEU-THANE™ Series HS5090, HS5094, HS5096

### Lightweight Reinforced Polyurethane Pneumatic Air Tool Hose Assemblies (with Rubber Bend Restrictors)

Service Temperature Range: -40°F (-40°C) to +185°F (+85°C)



#### Nominal Specifications

| Standard Stock Colors |                           | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Assembled Lengths | Approx. Wt. per Pkg. |        |         |
|-----------------------|---------------------------|-----------|------------|------|------------|------|---------------------------------|---------------|-------------------|----------------------|--------|---------|
| HS5090 Aqua           | HS5094 Red<br>HS5096 Blue |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                   | 25 ft.               | 50 ft. | 100 ft. |
| ✓                     | ✓                         | 04        | 1/4        | 6.5  | .395       | 10.0 | 250                             | 200           | 25/50/100 ft.     | 1 lbs.               | 2 lbs. | 4 lbs.  |
| ✓                     | ✓                         | 06        | 3/8        | 9.5  | .560       | 14.2 | 250                             | 200           | 25/50/100 ft.     | 1.5 lbs.             | 3 lbs. | 6 lbs.  |

Note: Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT.

Note: Refer to page 28 for Technical Information.

## TUNDRA-AIR® Series HS1231, HS1234, HS1236

### High Grade Low Temperature Air Hose Assemblies (with Rubber Bend Restrictors)

1/4" and 3/8" sizes only.

Service Temperature Range: -65°F (-54°C) to +150°F (+65°C)



REVISED  
TEMPERATURE  
RANGE

#### Nominal Specifications

| Standard Stock Colors |            |             | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Assembled Lengths | Approx. Wt. per Pkg. |          |           |
|-----------------------|------------|-------------|-----------|------------|------|------------|------|---------------------------------|---------------|-------------------|----------------------|----------|-----------|
| HS1231 Yellow         | HS1234 Red | HS1236 Blue |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                   | 25 ft.               | 50 ft.   | 100 ft.   |
| ✓                     | ✓          | ✓           | 04        | 1/4        | 6.5  | .500       | 12.7 | 300                             | 160           | 25/50/100 ft.     | 2.0 lbs.             | 4.0 lbs. | 7.8 lbs.  |
| ✓                     | ✓          | ✓           | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                             | 160           | 25/50/100 ft.     | 2.8 lbs.             | 5.5 lbs. | 10.7 lbs. |
| ✓                     | ✓          | ✓           | 08        | 1/2        | 12.7 | .781       | 19.8 | 300                             | 160           | 25/50/100 ft.     | 4.1 lbs.             | 8.1 lbs. | 16.0 lbs. |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT, 1/2" ID – 1/2" X 3/8" M NPT.

Note: Refer to page 30 for Technical Information.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

**POLYAIR®**  
**Series HS1131, HS1134,**  
**HS1136, HS1138**  
**Multi-Purpose Air Hose**  
**Assemblies**

- Colors — HS1131 - Yellow, HS1134 - Red, HS1136 - Blue and HS1138 - Grey.
- Packaging — Assemblies are shrink wrapped and labeled.

**Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)**

**Nominal Specifications**

| Part Number    | ID    | OD     | Std. Length Coils | Approx. Wt. pere Pkg. (lbs.) | Part Number    | ID   | OD     | Std. Length Coils | Approx. Wt. per Pkg. (lbs.) |
|----------------|-------|--------|-------------------|------------------------------|----------------|------|--------|-------------------|-----------------------------|
| HS1131-04X25   | 1/4"  | .500"  | 25ft.             | 2.2                          | HS1134F-16X25  | 1"   | 1.406" | 25ft.             | 10.3                        |
| HS1131-04X50   | 1/4"  | .500"  | 50ft.             | 4.4                          | HS1134F-16X50  | 1"   | 1.406" | 50ft.             | 20.5                        |
| HS1131-04X100  | 1/4"  | .500"  | 100ft.            | 8.8                          | HS1134F-16X100 | 1"   | 1.406" | 100ft.            | 41.0                        |
| HS1131-06X25   | 3/8"  | .625"  | 25ft.             | 2.9                          | HS1136-04X25   | 1/4" | .500"  | 25ft.             | 2.2                         |
| HS1131-06X50   | 3/8"  | .625"  | 50ft.             | 5.8                          | HS1136-04X50   | 1/4" | .500"  | 50ft.             | 4.4                         |
| HS1131-06X100  | 3/8"  | .625"  | 100ft.            | 11.6                         | HS1136-04X100  | 1/4" | .500"  | 100ft.            | 8.8                         |
| HS1131D-08X25  | 1/2"  | .813"  | 25ft.             | 4.5                          | HS1136-06X25   | 3/8" | .625"  | 25ft.             | 2.9                         |
| HS1131D-08X50  | 1/2"  | .813"  | 50ft.             | 9.0                          | HS1136-06X50   | 3/8" | .625"  | 50ft.             | 5.8                         |
| HS1131D-08X100 | 1/2"  | .813"  | 100ft.            | 18.0                         | HS1136-06X100  | 3/8" | .625"  | 100ft.            | 11.6                        |
| HS1131E-12X25  | 3/4"  | 1.125" | 25ft.             | 7.5                          | HS1136D-08X25  | 1/2" | .813"  | 25ft.             | 4.5                         |
| HS1131E-12X50  | 3/4"  | 1.125" | 50ft.             | 15.0                         | HS1136D-08X50  | 1/2" | .813"  | 50ft.             | 9.0                         |
| HS1131E-12X100 | 3/4"  | 1.125" | 100ft.            | 30.0                         | HS1136D-08X100 | 1/2" | .813"  | 100ft.            | 18.0                        |
| HS1131F-16X25  | 1"    | 1.406" | 25ft.             | 10.3                         | HS1136E-12X25  | 3/4" | 1.125" | 25ft.             | 7.5                         |
| HS1131F-16X50  | 1"    | 1.406" | 50ft.             | 20.5                         | HS1136E-12X50  | 3/4" | 1.125" | 50ft.             | 15.0                        |
| HS1131F-16X100 | 1"    | 1.406" | 100ft.            | 41.0                         | HS1136E-12X100 | 3/4" | 1.125" | 100ft.            | 30.0                        |
| HS1134-04X25   | 1/4"  | .500"  | 25ft.             | 2.2                          | HS1136F-16X25  | 1"   | 1.406" | 25ft.             | 10.3                        |
| HS1134-04X50   | 1/4"  | .500"  | 50ft.             | 4.4                          | HS1136F-16X50  | 1"   | 1.406" | 50ft.             | 20.5                        |
| HS1134-04X100  | 1/4"  | .500"  | 100ft.            | 8.8                          | HS1136F-16X100 | 1"   | 1.406" | 100ft.            | 41.0                        |
| HS1134-05X25   | 5/16" | .625"  | 25ft.             | 3.3                          | HS1138-04X25   | 1/4" | .500"  | 25ft.             | 2.2                         |
| HS1134-05X50   | 5/16" | .625"  | 50ft.             | 6.5                          | HS1138-04X50   | 1/4" | .500"  | 50ft.             | 4.4                         |
| HS1134-05X100  | 5/16" | .625"  | 100ft.            | 13.0                         | HS1138-04X100  | 1/4" | .500"  | 100ft.            | 8.8                         |
| HS1134-06X25   | 3/8"  | .625"  | 25ft.             | 2.9                          | HS1138-06X25   | 3/8" | .625"  | 25ft.             | 2.9                         |
| HS1134-06X50   | 3/8"  | .625"  | 50ft.             | 5.8                          | HS1138-06X50   | 3/8" | .625"  | 50ft.             | 5.8                         |
| HS1134-06X100  | 3/8"  | .625"  | 100ft.            | 11.6                         | HS1138-06X100  | 3/8" | .625"  | 100ft.            | 11.6                        |
| HS1134D-08X25  | 1/2"  | .813"  | 25ft.             | 4.5                          | HS1138D-08X25  | 1/2" | .813"  | 25ft.             | 4.5                         |
| HS1134D-08X50  | 1/2"  | .813"  | 50ft.             | 9.0                          | HS1138D-08X50  | 1/2" | .813"  | 50ft.             | 9.0                         |
| HS1134D-08X100 | 1/2"  | .813"  | 100ft.            | 18.0                         | HS1138D-08X100 | 1/2" | .813"  | 100ft.            | 18.0                        |
| HS1134E-10X25  | 5/8"  | .906"  | 25ft.             | 4.8                          | HS1138E-12X25  | 3/4" | 1.125" | 25ft.             | 7.5                         |
| HS1134E-10X50  | 5/8"  | .906"  | 50ft.             | 9.5                          | HS1138E-12X50  | 3/4" | 1.125" | 50ft.             | 15.0                        |
| HS1134E-10X100 | 5/8"  | .906"  | 100ft.            | 19.0                         | HS1138E-12X100 | 3/4" | 1.125" | 100ft.            | 30.0                        |
| HS1134E-12X25  | 3/4"  | 1.125" | 25ft.             | 7.5                          |                |      |        |                   |                             |
| HS1134E-12X50  | 3/4"  | 1.125" | 50ft.             | 15.0                         |                |      |        |                   |                             |
| HS1134E-12X100 | 3/4"  | 1.125" | 100ft.            | 30.0                         |                |      |        |                   |                             |

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 5/16" ID – 5/16" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT, 1/2" ID – 1/2" X 1/2" M NPT, 5/8" ID – 5/8" X 3/4" M NPT, 3/4" ID – 3/4" X 3/4" M NPT, 1" ID – 1" X 1" M NPT,.

**Note:** Refer to page 31 for Technical Information.

**Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.**

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.



## Series HS1171, HS1174, HS1176 General Service PVC Pneumatic Air Tool Hose Assemblies



Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

### Nominal Specifications

| Standard Stock Colors |            |             | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI) |               | Assembled Lengths | Approx. Wt. per Pkg. |          |           |
|-----------------------|------------|-------------|-----------|------------|------|------------|------|---------------------------------|---------------|-------------------|----------------------|----------|-----------|
| HS1171 Yellow         | HS1174 Red | HS1176 Blue |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                    | @122°F (50°C) |                   | 25 ft.               | 50 ft.   | 100 ft.   |
| ✓                     | ✓          | ✓           | 04        | 1/4        | 6.5  | .475       | 12.1 | 300                             | 150           | 25/50/100 ft.     | 1.9 lbs.             | 3.7 lbs. | 7.4 lbs.  |
| ✓                     | ✓          | ✓           | 06        | 3/8        | 9.5  | .600       | 15.2 | 300                             | 150           | 25/50/100 ft.     | 2.6 lbs.             | 5.1 lbs. | 10.2 lbs. |
| ✓                     | ✓          | ✓           | 08        | 1/2        | 12.7 | .750       | 19.1 | 300                             | 150           | 25/50/100 ft.     | 3.5 lbs.             | 7.0 lbs. | 14.0 lbs. |

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT, 1/2" ID – 1/2" X 3/8" M NPT.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Refer to page 33 for Technical Information.

## Series HS1181, HS1184, HS1186 Utility-Grade PVC Air Tool Hose Assemblies



Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

### Nominal Specifications

| Standard Stock Colors |            |             | Size Code | Nominal ID |      | Nominal OD |      | Maximum Working Pressure† (PSI)<br>@70°F (20°C) | Assembled Lengths | Approx. Wt. per Pkg. |          |           |
|-----------------------|------------|-------------|-----------|------------|------|------------|------|---|-------------------|----------------------|----------|-----------|
| HS1181 Yellow         | HS1184 Red | HS1186 Blue |           | (In)       | (mm) | (In)       | (mm) |   |                   | 25 ft.               | 50 ft.   | 100 ft.   |
| ✓                     | ✓          | ✓           | 04        | 1/4        | 6.5  | .475       | 12.1 | 300   | 25/50/100 ft.     | 1.9 lbs.             | 3.7 lbs. | 7.4 lbs.  |
| ✓                     | ✓          | ✓           | 06        | 3/8        | 9.5  | .600       | 15.2 | 300   | 25/50/100 ft.     | 2.6 lbs.             | 5.1 lbs. | 10.2 lbs. |

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Refer to page 34 for Technical Information.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**



**NEW  
PRODUCT**

**Series HS1317**  
**Heavy Duty Reinforced Green PVC Water Hose Assemblies**

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Assembled Lengths | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                   |                      |
| HS1317     | 12        | 3/4        | 19.1 | 1.025      | 26.0 | 125                          | 50             | 50/100 ft.        | 11 lbs./22 lbs.      |
| HS1317     | 16        | 1          | 25.4 | 1.297      | 32.9 | 125                          | 50             | 50/100 ft.        | 15 lbs./30 lbs.      |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: 3/4" Hose assemblies are furnished with heavy-duty Brass GHT, 3/4" M x F fittings. 1" hose assemblies are furnished with 1" NPS pipe thread fittings.

Note: Refer to page 37 for Technical Information.



**NEW  
PRODUCT**

**Series HS2163HDW**  
**Black Contractors PVC Water Hose Assemblies**

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Assembled Lengths | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                   |                      |
| HS2163HDW  | 12        | 3/4        | 19.1 | 1.030      | 26.2 | 150                          | 75             | 50 ft.            | 12 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Hose assemblies are furnished with heavy-duty Brass GHT, 3/4" M x F fittings.

Note: Refer to page 35 for Technical Information.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## Kuri Tec IPOP Display

# Hose assembly display problem?

# We've got a solution for YOU!

**NEW PRODUCT**

This new Industrial Point-of-Purchase Display Rack from Kuri Tec® provides an efficient way to organize and promote Kuri Tec® air hose assembly products to your customers. Its compact size (54" high x 16 1/2" wide x 22 1/2" deep) will fit into the smallest counter sales or showroom area.

Even better, it's free, with a qualifying order of Kuri Tec® air hose assemblies. You can choose from any of these popular air hose assemblies:

- Series HS5090, 5094, 5096 Series Pneu-Thane™ Polyurethane air hose assemblies.
- Series HSC2840, 2841, 2844, 2846, & HSC2950 Polyurethane self-store assemblies (display hooks provided with initial order).
- Series HS1231, 1234 and 1236 Tundra-Air® Low Temperature PVC air hose.
- Series HS1131, 1134, 1136, 1138 Polyair® PVC air hoses.
- Series HS1171, 1173, 1174, 1176 General Service PVC air hoses.
- Series HS1181, 1184, 1186 Utility-Grade PVC air hoses.

Please note: This display rack is intended for the display and sales of authorized Kuri Tec® products only!

To get your free display rack, contact your Kuriyama sales representative or stocking warehouse.



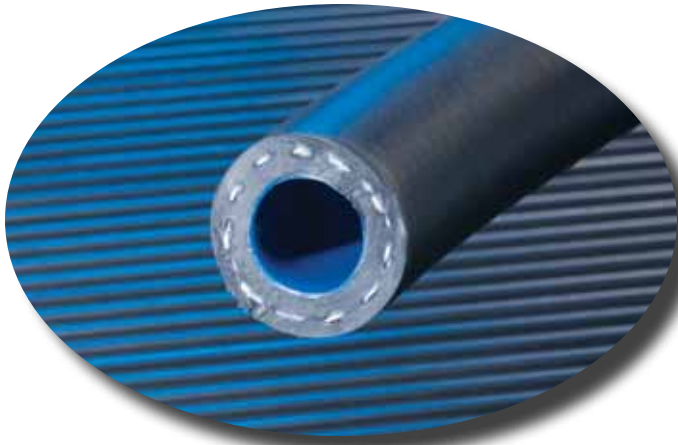
Kuri Tec® Industrial Point-of-Purchase Rack



Kuri Tec® Industrial Point-of-Purchase Rack with self-store assemblies on display hooks.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

## Series A4143 Medium Pressure Paint Fluid Transfer Hose

Lightweight polyethylene-lined rubber blend hose that is the ideal choice for handling paint and paint-related products in a variety of applications.

**Construction:**

- Tube — Co-extruded blue LLDPE/rubber blend.
- Reinforcement — High tensile strength yarn.
- Cover — Black rubber blend compound; Branded “Paint Fluid”.

**Features:**

- Excellent resistance to paint fluids, lacquers and solvents . . . see chemical resistance chart, referring to both core and cover materials, on Page 66.
- Excellent flexibility.
- Lightweight.
- Silicone-free.

- One-piece lengths.
- Compatible with popular spray fittings, such as Binks and DeVilbiss.
- Excellent cold weather properties.
- RoHS<sup>(15)</sup> compliant.

**Applications:**

- Lower pressure transfer of enamels, lacquers and other finishes.
- Robotic paint spraying equipment.
- Manual paint spraying.
- Spraying of automobile “rustproofing” fluids.
- Low temperature transfer of chemicals.

**Service Temperature Range: -40°F (-40°C) to +125°F (+52°C)**

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |               | Standard Length |             | Approx. Wt. per Pkg. |            |
|------------|-----------|------------|------|------------|------|------------------------------|---------------|-----------------|-------------|----------------------|------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                 | @122°F (50°C) | Reel            | Coil        | Reel                 | Coil       |
| A4143      | 04        | 1/4        | 6.5  | .500       | 12.7 | 175                          | 85            | 500 ft.         | 100 ft.     | 36 lbs.              | 7 lbs.     |
| A4143      | 06        | 3/8        | 9.5  | .690       | 17.3 | 175                          | 85            | 500 ft.         | 100 ft.     | 60 lbs.              | 12 lbs.    |
| A4143      | 08        | 1/2        | 12.7 | .875       | 22.2 | 175                          | 85            | 500 ft.         | 100 ft.     | 93 lbs.              | 18 lbs.    |
| A4143      | 12        | 3/4        | 19.0 | 1.188      | 30.2 | 150                          | 75            | —               | 300/100 ft. | —                    | 85/28 lbs. |
| A4143      | 16        | 1          | 25.4 | 1.500      | 38.1 | 125                          | 60            | —               | 200/100 ft. | —                    | 86/43 lbs. |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Compatible with popular spray fittings, such as Binks and DeVilbiss.

**CAUTION: NOT FOR USE WITH HOT PAINT. DO NOT EXCEED TEMPERATURE OF 125°F (+52°C).  
WARNING: IMMERSION OF THE HOSE IN SOLVENTS FOR AN EXTENDED PERIOD OF TIME IS NOT RECOMMENDED DUE TO POTENTIAL SWELLING OF THE HOSE JACKET.**

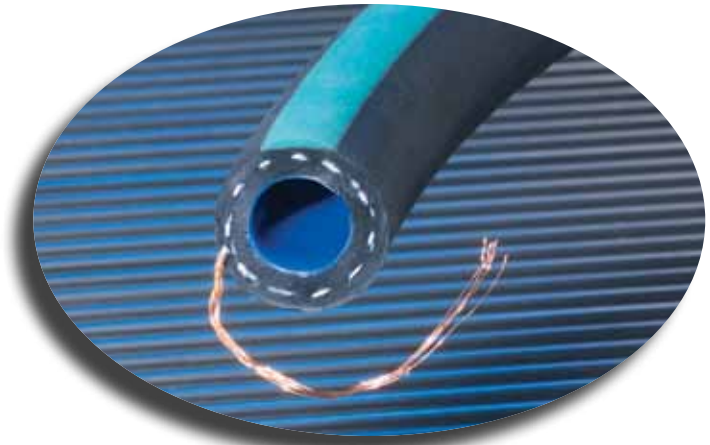
**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## Series A4143S (with Static Wire) Medium Pressure Paint Fluid Transfer Hose



Lightweight polyethylene-lined rubber blend hose that is the ideal choice for handling paint and paint-related products in a variety of applications.

### Construction:

- Tube — Co-extruded blue LLDPE/rubber blend.
- Static wire — Embedded copper wire for static conductivity (see note below).‡
- Reinforcement — High tensile strength yarn.
- Cover — Black rubber blend compound; Branded “Paint Fluid”.

### Features:

- Excellent resistance to paint fluids, lacquers and solvents... see chemical resistance chart, referring to both core and cover materials, on Page 66.
- Excellent flexibility.
- Lightweight.

- Silicone-free.
- One-piece lengths.
- Compatible with popular spray fittings, such as Binks and DeVilbiss.
- Excellent cold weather properties.
- Static conductivity.
- RoHS<sup>(15)</sup> compliant.

### Applications:

- Lower pressure transfer of enamels, lacquers and other finishes.
- Robotic paint spraying equipment.
- Manual paint spraying.
- Spraying of automobile “rustproofing” fluids.
- Low temperature transfer of chemicals.

Service Temperature Range: -40°F (-40°C) to +125°F (+52°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |               | Standard Length |             | Approx. Wt. per Pkg. |            |
|------------|-----------|------------|------|------------|------|------------------------------|---------------|-----------------|-------------|----------------------|------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @70°F (20°C)                 | @122°F (50°C) | Reel            | Coil        | Reel                 | Coil       |
| A4143S     | 04        | 1/4        | 6.5  | .500       | 12.7 | 175                          | 85            | 500 ft.         | 100 ft.     | 36 lbs.              | 7 lbs.     |
| A4143S     | 06        | 3/8        | 9.5  | .690       | 17.3 | 175                          | 85            | 500 ft.         | 100 ft.     | 60 lbs.              | 12 lbs.    |
| A4143S     | 08        | 1/2        | 12.7 | .875       | 22.2 | 175                          | 85            | 500 ft.         | 100 ft.     | 93 lbs.              | 18 lbs.    |
| A4143S     | 12        | 3/4        | 19.0 | 1.188      | 30.2 | 150                          | 75            | —               | 300/100 ft. | —                    | 85/28 lbs. |
| A4143S     | 16        | 1          | 25.4 | 1.500      | 38.1 | 125                          | 60            | —               | 200/100 ft. | —                    | 86/43 lbs. |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Compatible with popular spray fittings, such as Binks and DeVilbiss.

‡ Caution: This product is designed to dissipate static electricity when the metal wire is properly grounded through the fitting or by other means.

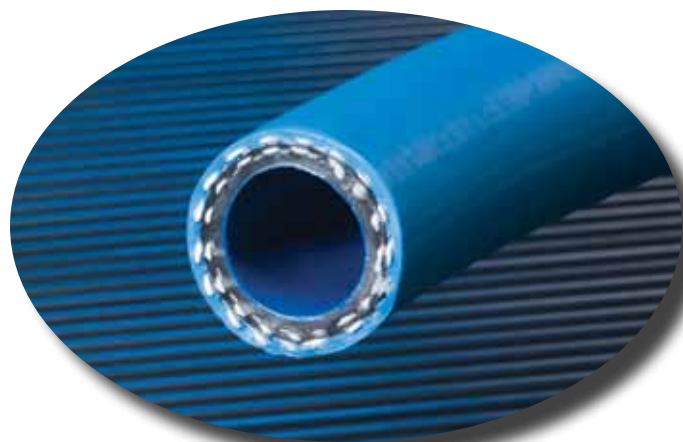
**CAUTION: NOT FOR USE WITH HOT PAINT. DO NOT EXCEED TEMPERATURE OF 125°F (+52°C).  
WARNING: IMMERSION OF THE HOSE IN SOLVENTS FOR AN EXTENDED PERIOD OF TIME IS NOT RECOMMENDED DUE TO POTENTIAL SWELLING OF THE HOSE JACKET.**

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series A4086 High Pressure Polyethylene Rubber Blend Reinforced Chemical Spray & Transfer Hose

A premium chemical spray and transfer hose for applications requiring greater chemical-resistance . . . excellent for high pressure tree and orchard spraying, as well as paint, solvent and chemical transfer.

### Construction:

- Tube — Co-extruded blue LLDPE/rubber blend.
- Reinforcement — High tensile strength yarn . . . two-pass spiral construction.
- Cover — Blue rubber blend compound.

### Features:

- Excellent chemical-resistance.
- Extremely light weight.
- Excellent low temperature properties.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.

- Silicone-free.
- RoHS<sup>(15)</sup> compliant.

### Applications:

- For use in applications where additional chemical resistance is required . . . see chemical resistance chart, referring to both core and cover materials, on Page 66.
- High pressure tree, orchard and vineyard spraying.
- Concrete curing and spraying.
- Paint and solvent transfer.
- Chemical transfer.



Service Temperature Range: -40°F (-40°C) to +130°F (+54°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (20°C) |                       |                      |
| A4086      | 06        | 3/8        | 9.5  | .688       | 17.5 | 800                          | 300            | 300/100 ft.           | 33/11 lbs.           |
| A4086      | 08        | 1/2        | 12.7 | .840       | 21.3 | 800                          | 300            | 300/100 ft.           | 45/15 lbs.           |
| A4086      | 12        | 3/4        | 19.1 | 1.140      | 29.0 | 800                          | 250            | 300/100 ft.           | 72/24 lbs.           |
| A4086      | 16        | 1          | 25.4 | 1.400      | 35.6 | 400                          | 125            | 200/100 ft.           | 65/33 lbs.           |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series A1687 800 PSI PVC/Polyurethane Blend Reinforced Spray Hose



Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based tree spray, lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

### Construction:

- Tube — Black PVC/polyurethane blend.
- Reinforcement — High tensile strength yarn two-pass spiral construction.
- Cover — Ribbed PVC.

### Features:

- Extremely tough and kink resistant.
- PVC/polyurethane blended core — provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.

- 800 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.

### Applications:

- Tree and orchard spraying.
- Agricultural spraying.
- Commercial weed spraying.



Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Coil Lengths | Approx. Wt. per Pkg. |              |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|--------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       | 300 ft. Coil         | 400 ft. Coil |
| A1687      | 06        | 3/8        | 9.5  | .650       | 16.5 | 800                          | 450            | 300 or 400 ft.        | 41 lbs.              | 54 lbs.      |
| A1687      | 08        | 1/2        | 12.7 | .850       | 21.6 | 800                          | 450            | 300 or 400 ft.        | 68 lbs.              | 90 lbs.      |
| A1687      | 10        | 5/8        | 15.9 | 1.030      | 26.2 | 800                          | 400            | 300 ft.               | 96 lbs.              | —            |
| A1687      | 12        | 3/4        | 19.1 | 1.170      | 29.7 | 800                          | 400            | 300 ft.               | 126 lbs.             | —            |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**NEW!**  
Performance-Plus  
Three Year Warranty!  
(See Page 52 for Details)

**LAWN  
& PEST  
CONTROL  
SPRAYING!**

**Kuri Tec®**

**Series A1661**

**600 PSI PVC/Polyurethane  
Blend Reinforced  
Spray Hose**

Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

**Construction:**

- Tube — Black PVC/polyurethane blend.
- Reinforcement — High tensile strength yarn two-pass spiral construction.
- Cover — Ribbed PVC.

**Features:**

- Extremely tough and kink resistant.
- PVC/polyurethane blended core — provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.

- 600 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.

**Applications:**

- Agricultural spraying.
- Commercial weed spraying.
- Pest control spraying.

Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Coil Lengths | Approx. Wt. per Pkg. |              |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|--------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       | 300 ft. Coil         | 400 ft. Coil |
| A1661      | 06        | 3/8        | 9.5  | .650       | 16.5 | 600                          | 350            | 300 or 400 ft.        | 41 lbs.              | 54 lbs.      |
| A1661      | 08        | 1/2        | 12.7 | .790       | 20.1 | 600                          | 350            | 300 or 400 ft.        | 57 lbs.              | 76 lbs.      |
| A1661      | 10        | 5/8        | 15.9 | 1.030      | 26.2 | 600                          | 300            | 300 ft.               | 96 lbs.              | —            |
| A1661      | 12        | 3/4        | 19.1 | 1.170      | 29.7 | 600                          | 300            | 300 ft.               | 126 lbs.             | —            |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

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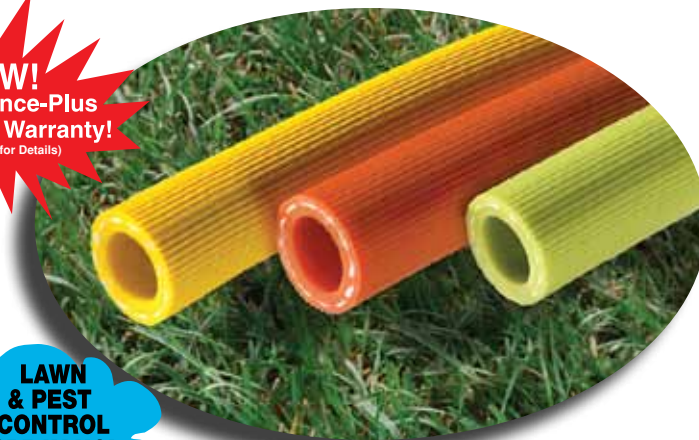


# Kuri Tec®

## Series K4131, K4132, K4137 600 PSI PVC Spray Reinforced Hose

**NEW!**  
Performance-Plus  
Three Year Warranty!  
(See Page 52 for Details)

**LAWN  
& PEST  
CONTROL  
SPRAYING!**



**REINFORCED LOW & HIGH PRESSURE SPRAY/TRANSFER HOSES**

Excellent quality spray hoses made with premium quality PVC compounds, ideally-suited for lawn and ornamental spray applications using wettable powder chemicals. (Not recommended for high pressure tree spray applications.)

### Construction:

- K4131 - Yellow, K4132 - Orange and K4137 - Mint Green.
- Tube — Yellow, Orange, or Mint Green PVC.
- Reinforcement — High tensile strength yarn; one-pass spiral construction.
- Cover — Yellow, Orange, or Mint Green ribbed PVC.

### Features:

- Economically priced.
- Ribbed cover for reduced drag and increased flexibility.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Non-marking.

- Light weight — easily coiled after use.
- Longitudinal reinforcing yarns enhance coupling retention and reduce elongation under pressure.
- Chemical resistance of quality PVC for the transfer or spraying of “wetable powder” type chemicals. Not recommended for use with emulsifiable chemicals based on hydrocarbon carriers.
- Silicone-free.
- One-piece lengths.

### Applications:

- Lawn spraying.
- Agricultural spraying.
- Vineyard spraying.
- Nursery spraying.
- Building washdown.

Service Temperature Range: +25°F (-5°C) to +150°F (+65°C)

### Nominal Specifications

| Standard Stock Colors |              |                  | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Coil Lengths | Approx. Wt. per Pkg. |         |
|-----------------------|--------------|------------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|---------|
| K4131 Yellow          | K4132 Orange | K4137 Mint Green |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       | 300 ft.              | 400 ft. |
| ✓                     | ✓            | ✓                | 06        | 3/8        | 9.5  | .625       | 15.9 | 600                          | 250            | 300 or 400 ft.        | 35 lbs.              | 46 lbs. |
| ✓                     | ✓            | ✓                | 08        | 1/2        | 12.7 | .790       | 20.0 | 600                          | 250            | 300 or 400 ft.        | 54 lbs.              | 72 lbs. |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**NEW!**  
**Performance-Plus**  
**Three Year Warranty!**  
(See Page 52 for Details)

**Kuri Tec®**

**Series A1628**

**300 PSI PVC/Polyurethane Blend Reinforced Spray Hose**

**PEST CONTROL**

Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

**Construction:**

- Tube — Black PVC/polyurethane blend.
- Reinforcement — High tensile strength yarn.
- Cover — Ribbed PVC.

**Features:**

- Extremely tough and kink resistant.
- PVC/polyurethane blended core — provides better chemical resistance than comparable all-PVC hoses.

- Ribbed cover provides excellent abrasion-resistance.
- 300 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.

**Applications:**

- Pest control spraying.
- Agricultural spraying.
- Commercial weed spraying.

Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Coil Lengths | Approx. Wt. per Pkg. |              |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|--------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       | 300 ft. Coil         | 400 ft. Coil |
| A1628      | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                          | 150            | 300 or 400 ft.        | 36 lbs.              | 47 lbs.      |
| A1628      | 08        | 1/2        | 12.7 | .770       | 19.6 | 300                          | 150            | 300 or 400 ft.        | 49 lbs.              | 65 lbs.      |
| A1628      | 12        | 3/4        | 19.1 | 1.060      | 26.9 | 200                          | 100            | 300 ft.               | 80 lbs.              | —            |
| A1628      | 16        | 1          | 25.4 | 1.306      | 33.2 | 200                          | 100            | 200 ft.               | 67 lbs.              |              |

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

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## Series K4350 EVA Yarn-Reinforced Spray Hose



A yarn reinforced EVA hose suitable for low pressure spraying and transfer of agricultural chemicals.

### Construction:

- Tube — Translucent EVA copolymer.
- Reinforcement — High tensile strength yarn.
- Cover — Translucent EVA copolymer.

### Features:

- Highly flexible.
- Higher working pressures than non-reinforced EVA tubing.
- Excellent low temperature flexibility.
- Excellent chemical-resistance.

- Silicone-free.
- One-piece lengths.
- RoHS<sup>(15)</sup> compliant.

### Applications:

- Agricultural spray applications, including anhydrous ammonia fertilizer.
- Low pressure lawn spray.
- Low pressure transfer of liquids and gases, including chemicals.

Service Temperature Range: -30°F (-35°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Lengths |         | Approx. Wt. per Pkg. |         |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|------------------|---------|----------------------|---------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Coil             | Reel    | Coil                 | Reel    |
| K4350      | 06        | 3/8        | 9.5  | .594       | 15.1 | 300                          | 100            | 300 ft.          | 500 ft. | 22 lbs.              | 41 lbs. |
| K4350      | 08        | 1/2        | 12.7 | .719       | 18.3 | 250                          | 75             | 300 ft.          | 500 ft. | 26 lbs.              | 51 lbs. |
| K4350      | 12        | 3/4        | 19.1 | .970       | 24.6 | 150                          | 40             | 300 ft.          | —       | 36 lbs.              | —       |
| K4350      | 16        | 1          | 25.4 | 1.313      | 33.4 | 150                          | 30             | 200 ft.          | —       | 47 lbs.              | —       |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**NEW!**  
**Performance-Plus**  
**Three Year Warranty!**  
(See Below for Details)

**Kuri Tec®**

**Series A9350**  
**Polyethylene**  
**Yarn-Reinforced Dual Line**  
**Spray Hose**

Special light weight dual line reinforced hose which offers chemical resistance along with ease of handling for spraying of herbicides and fertilizers.

**Construction:**

- Tube — Special translucent LLDPE.
- Reinforcement — High tensile strength yarn.
- Cover — Special “low friction” translucent copolymer.

**Features:**

- Extremely light weight.
- Exceptionally low resistance to dragging.

- Both core and cover offer excellent chemical-resistance and resistance to environmental stress cracking.
- Silicone-free.
- One-piece lengths.
- RoHS<sup>(15)</sup> compliant.

**Applications:**

- Spot herbicide treatment, while fertilizing.
- Automatic dilution of liquid concentrate at the spray head.

**Service Temperature Range:** -30°F (-35°C) to +150°F (+65°C)

**Nominal Specifications**

| Part No.         | Line 1     |      |            |      | Line 2     |      |            |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------------|------------|------|------------|------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|                  | Nominal ID |      | Nominal OD |      | Nominal ID |      | Nominal OD |      | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
|                  | (In)       | (mm) | (In)       | (mm) | (In)       | (mm) | (In)       | (mm) |                              |                |                       |                      |
| A9350-04060-03S  | 1/4        | 6.5  | .457       | 11.6 | 3/8        | 9.5  | .593       | 15.1 | 250                          | 100            | 300 ft.               | 37 lbs.              |
| A9350-04060-04S  | 1/4        | 6.5  | .457       | 11.6 | 3/8        | 9.5  | .593       | 15.1 | 250                          | 100            | 400 ft.               | 49 lbs.              |
| A9350-04080-03S  | 1/4        | 6.5  | .457       | 11.6 | 1/2        | 12.7 | .740       | 18.8 | 250                          | 100            | 300 ft.               | 46 lbs.              |
| *A9350-04080-04S | 1/4        | 6.5  | .457       | 11.6 | 1/2        | 12.7 | .740       | 18.8 | 250                          | 100            |                       |                      |

**Note:** Individual components of Series A9350 Dual Line Spray Hose are available on special order as **Series A1710S**.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

\*Non stock item.

**RoHS<sup>(15)</sup>**

**Kuri Tec® Performance – Plus Warranty Program**

Subject to the provisions below, products sold or distributed by Seller are warranted to be free from defects in material and workmanship for the following time periods:

- For Kuri Tec® Series K4131, K4132, K4137, A1628, A1661, A1687 and A9350 spray hoses — a period of three years from the date of purchase.

Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® spray hose products. Hose claims involving use of these fittings will be disallowed.

A phone call to our Customer Service Department; in the U.S., Kuriyama of America, Inc., Schaumburg, IL (847)-755-0360 or in Canada, (519) 753-6717 Kuri Tec Corporation, Brantford, ON, Canada should be made to report any product claims. "The Seller, Kuriyama of America, Inc. or Kuri Tec Corporation, (please refer to address information on back page of catalog) may require a prepaid return of the affected hose before the following refund/credit schedule can be implemented. Note: Any hose that is to be returned must be fully drained. MSDS, Material Safety Data Sheets must also be submitted to Kuriyama of America, Inc. or Kuri Tec Corporation (please refer to address information on back page of catalog), via mail or fax prior to any authorized return.

For claims made the Seller's liability is limited exclusively to the following:

1. For claims made during the first year: Full replacement of hose or a credit of the original purchase price at Seller's option.

2. For claims made during the second year, for spray hoses having a three year warranty: A credit for two thirds of the original purchase price will be refunded as a credit.
3. For claims made during the third year, for spray hoses having a three year warranty: A credit for one third of the original purchase price will be refunded as a credit.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to, the warranty of merchantability and the warranty of fitness for a particular purpose. In no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product, unless specifically provided herein. In addition, this warranty shall not apply to any products or portions thereof which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions, and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller, or used in any manner inconsistent with the provisions of the "Cautionary Statement" above or any instructions or specifications provided with or for the product. No distributor is authorized to extend any other warranty on behalf of the Seller.

2/2005

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## Considerations for Selecting and Using Spray Hose

One of the most demanding hose applications is chemical spray, as seen in lawn care and pest control. The hose is subject to both internal and external stress. Internal hose stress results from the high pressures used and the aggressive nature of the chemicals. External stress is applied to the hose by pulling and dragging the hose, as well as exposure to the freshly applied chemicals.

Several Kuri Tec® hoses are offered for use in chemical spray applications and, in order to obtain optimum performance and service life, it is essential that the proper hose be selected and that proper care be taken in handling the hose.

### What type of chemical is being conveyed?

In general, lawn care and pest control chemicals fall into two classifications, based on the physical form of the substance: wettable powders (WP) and emulsifiable liquid concentrates (EC).

Wettable powders are supplied in dry powder or granular form and are dissolved in water to create a sprayable solution. The substances are generally stable when in solution and will not “settle out” when allowed to stand. All of our pest control, lawn, and tree chemical spray hoses will handle most of these wettable concentrates in aqueous solutions at normal suggested concentrations.

Emulsifiable concentrates are supplied in a liquid form in which the herbicide or pesticide is dissolved in a carrier that is itself a solvent or oil-based substance. When mixed with water, these substances become “emulsions” in which the chemicals are not truly dissolved in the water. When allowed to stand, the chemicals will separate from the water, generally floating to the top. The emulsified carriers themselves have an effect on the hose’s core tube and, in combination with the other chemicals being used, can have a significant effect on the hose material when they separate and form a more concentrated phase.

For emulsifiable concentrate chemicals, we suggest the use of Kuri Tec hoses using PVC/Polyurethane blend compounds in the core tube, such as Series A1628, A1661 and A1687. “All PVC” spray hoses such as Series K4131

are not suggested for use with these chemicals, because of the possibility of phase separation in the mixture.

Regardless of the type of hose used with the emulsifiable concentrate chemicals, it is recommended that the hose be drained if it is going to stand for an extended period of time, since even on a reel the chemicals may separate out of the water emulsion and collect in concentrated bands at the top of the reel.

NOTE: All Kuri Tec hose suggestions are for aqueous solutions or emulsions of the chemical herbicide, pesticide or fertilizer in the suggested concentrations. For transfer of an emulsifiable concentrate in its pure form, a premium chemical spray hose such as Series A4086, with its polyethylene liner, is suggested.

### At what working pressure and operating temperature will the hose be used?

All hoses, but particularly thermoplastic hoses, are affected by temperature. As the operating temperature rises, the material will soften slightly and the working and burst pressures will be reduced. It is not unusual for the hose temperature in a lawn spraying application to rise to 120° F. in summer. The individual pressure rating tables should be consulted to determine the maximum working pressure at 122° F. In general, one can expect a reduction of 40% to 60% in the working pressure rating at 120° F., when compared to the working pressures for the same hose at 70° F. This factor must be considered when selecting the proper hose.

### What type of fittings should be used?

As explained in the Fitting Compatibility Guide on pages 64-65, a double-barbed fitting held in place with two band clamps appears to be the best choice for Kuri Tec spray hoses. In addition, the use of spring guards is highly recommended in order to prevent kinking of the hose at the fittings. Properly crimped ferrules over multi-barbed fittings are also suitable, provided a gap is provided at the end of the ferrule to avoid “wicking” of the fluid along the yarn.

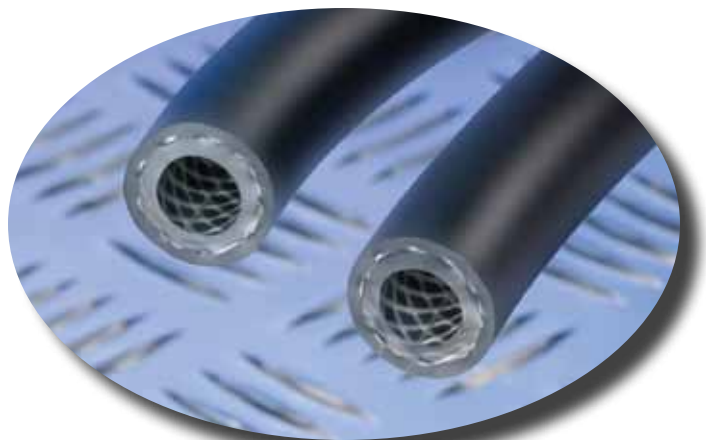
## Summary of Suggested Spray Hose Applications

| Series        | Description    |                   |             |         |              |                                | Suitability      |                      |
|---------------|----------------|-------------------|-------------|---------|--------------|--------------------------------|------------------|----------------------|
|               | Core Materials | Jacket Properties |             |         |              | Working Pressure† (PSI @ 70°F) | Wettable Powders | Emulsifiable Liquids |
|               |                | Material          | Color       | Surface | Perforations |                                |                  |                      |
| K3150         | PVC            | PVC               | Clear       | Smooth  | No           | 250                            | Yes              | No                   |
| K4131, 32, 37 | PVC            | PVC               | Yellow      | Ribbed  | Yes          | 600                            | Yes              | No                   |
| A1628         | PVC/TPU        | PVC               | Grey        | Ribbed  | Yes          | 300                            | Yes              | Yes                  |
| A1661 (i)     | PVC/TPU        | PVC               | Yellow      | Ribbed  | Yes          | 600                            | Yes              | Yes                  |
| A1687 (i)     | PVC/TPU        | PVC               | Green       | Ribbed  | Yes          | 800                            | Yes              | Yes                  |
| A4086 (i)     | LLDPE          | TPE               | Blue        | Smooth  | Yes          | 800                            | Yes              | Yes (ii)             |
| A1710S        | LLDPE          | EVA               | Translucent | Smooth  | No           | 250                            | Yes              | Yes (ii)             |
| K4350         | EVA            | EVA               | Translucent | Smooth  | No           | 150 - 250                      | Yes              | Yes (ii)             |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE : (i) Two-pass reinforcement provides improved kink resistance and pressure performance.

(ii) Suitable for transfer of emulsifiable concentrate in undiluted form.



# Kuri Tec®

## Series A1243 Non-Toxic PVC Air Breathing Hose

A specially-designed non-toxic air breathing hose that provides low temperature flexibility and low odor.

### Construction:

- Tube — Clear PVC compound, formulated in compliance with FDA<sup>(03)</sup> and RoHS<sup>(15)</sup> requirements.
- Reinforcement — High tensile strength yarn.
- Cover — Non-toxic, U. V. and weather resistant black PVC compound.

### Features:

- Good low temperature flexibility.
- Low odor, compared with traditional rubber hose.
- Heavy wall construction matches the dimensions of rubber hose.

- Light-wall version available (1/4" size).
- One-piece lengths.
- Hose meets NIOSH<sup>(14)</sup> requirements for Type C respirator.

### Applications:

- General Type C air supply lines.
- Paint spray booths.
- Indoor, in-plant air service.
- Outdoor, open air service.

Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| A1243H     | 04        | 1/4        | 6.5  | .625       | 15.9 | 250                          | 150            | 300 ft.               | 42 lbs.              |
| A1243      | 04        | 1/4        | 6.5  | .500       | 12.7 | 250                          | 150            | 500 ft.               | 40 lbs.              |
| A1243H     | 06        | 3/8        | 9.5  | .688       | 17.5 | 250                          | 150            | 300 ft.               | 43 lbs.              |
| A1243H     | 08        | 1/2        | 12.7 | .840       | 21.3 | 250                          | 150            | 300 ft.               | 66 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: NIOSH only certifies complete breathing respirators and does not issue certifications on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NIOSH<sup>(14)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series A1263 Low Temperature Non-Toxic PVC Air Breathing Hose



This specially-designed non-toxic/low odor air breathing hose provides air service in extreme low temperature conditions.

### Construction:

- Tube — Clear PVC compound, formulated in compliance with FDA<sup>(03)</sup> and RoHS<sup>(15)</sup> requirements.
- Reinforcement — High tensile strength yarn.
- Cover — Non-toxic, U. V. and weather resistant black PVC compound.

### Features:

- Provides increased low temperature flexibility versus Series A1243 hose.
- Low odor, compared with traditional rubber hose.
- Heavy wall construction matches the dimensions of rubber hose.

- One-piece lengths.
- Hose meets NIOSH<sup>(14)</sup> requirements for Type C respirator.

### Applications:

- Outdoor, open air service in extreme low temperature conditions.
- General Type C air supply lines.
- Paint spray booths.
- Indoor, in-plant air service.

Service Temperature Range: -40°F (-40°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils | Approx. Wt. per Pkg. |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) |                       |                      |
| A1263      | 04        | 1/4        | 6.5  | .585       | 14.9 | 300                          | 180            | 500 ft.               | 64 lbs.              |
| A1263      | 06        | 3/8        | 9.5  | .720       | 18.3 | 300                          | 180            | 300 ft.               | 52 lbs.              |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

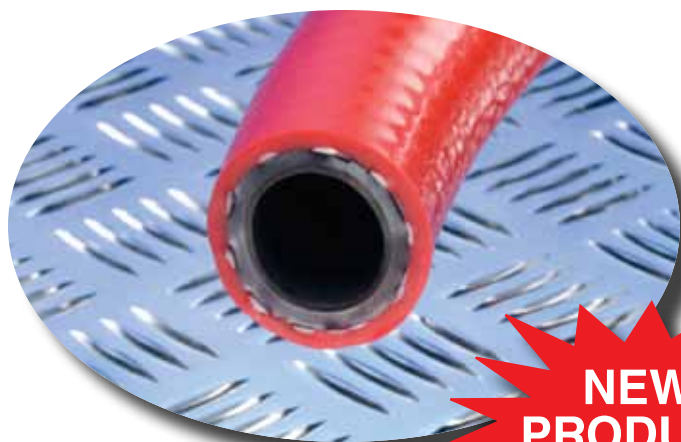
NOTE: NIOSH only certifies complete breathing respirators and does not issue certifications on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NIOSH<sup>(14)</sup>, RoHS<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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# Kuri Tec®

## Series A4164 Conductive PVC Air Hose with PVC Cover

**NEW  
PRODUCT**

Uniquely different PVC air hose that prevents static build-up without the need of a static wire.

### Construction:

- Tube — Co-extruded electrically-conductive PVC.
- Reinforcement — Spiral polyester yarn.
- Cover — Red weather resistant PVC.

### Features:

- Continuous flexible conductive liner assures contact with fittings, without special preparation or clamping techniques.
- No wires to break when the hose is flexed.
- Distinctive color and branding allows easy identification.
- Silicone-free.
- One-piece lengths.
- Branded as “Conductive Air”.
- Non-marking non-perforated cover.

### Applications:

- In-plant air service where static dissipation is required.
- Air lines for painting equipment.
- Applications requiring the use of grounded pneumatic tools.

### Electrical Data:

- Resistance is less than 100,000 ohms per foot when tested with an ohmmeter, with normal open-circuit output voltage of 500 VDC.
- Note: Conductivity is through the inner liner only. To dissipate static electricity, the hose must be fitted with a grounded conductive coupling. When measured through the wall of the hose, the product demonstrates electrical insulation.

Service Temperature Range: +14° F (-10° C) to +150° F (+65° C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils |         | Approx. Wt. per Pkg. |         |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|---------|----------------------|---------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Reel                  | Coil    | Reel                 | Coil    |
| A4164      | 04        | 1/4        | 6.5  | .500       | 12.7 | 300                          | 180            | 500 ft.               | 100 ft. | 44 lbs.              | 8 lbs.  |
| A4164      | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                          | 180            | 500 ft.               | 100 ft. | 58 lbs.              | 11 lbs. |
| A4164      | 08        | 1/2        | 12.7 | .813       | 20.7 | 300                          | 180            | 500 ft.               | 100 ft. | 93 lbs.              | 18 lbs. |

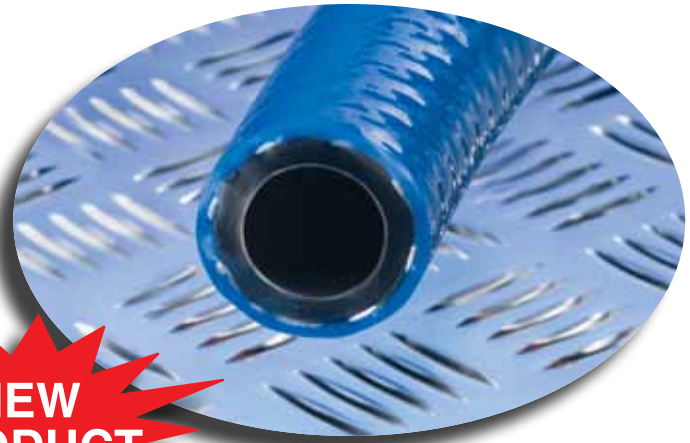
† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series A4176 Conductive PVC Air Hose with Polyurethane Cover



Uniquely different PVC air hose that prevents static build-up without the need of a static wire.

### Construction:

- Tube — Co-extruded electrically-conductive PVC.
- Reinforcement — Spiral polyester yarn.
- Cover — Blue polyurethane for superior abrasion resistance.

### Features:

- Continuous flexible conductive liner assures contact with fittings, without special preparation or clamping techniques.
- No wires to break when the hose is flexed.
- Distinctive color and branding allows easy identification.
- Silicone-free.
- One-piece lengths.
- Branded as “Conductive Air”.

- Excellent chemical and abrasion resistance afforded by polyurethane cover.
- Non-marking non-perforated cover.

### Applications:

- In-plant air service where static dissipation is required.
- Air lines for painting equipment.
- Applications requiring the use of grounded pneumatic tools.

### Electrical Data:

- Resistance is less than 100,000 ohms per foot when tested with an ohmmeter, with normal open-circuit output voltage of 500 VDC.
- Note: Conductivity is through the inner liner only. To dissipate static electricity, the hose must be fitted with a grounded conductive coupling. When measured through the wall of the hose, the product demonstrates electrical insulation.

Service Temperature Range: +14° F (-10° C) to +150° F (+65° C)

### Nominal Specifications

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Max. Working Pressure† (PSI) |                | Standard Length Coils |         | Approx. Wt. per Pkg. |         |
|------------|-----------|------------|------|------------|------|------------------------------|----------------|-----------------------|---------|----------------------|---------|
|            |           | (In)       | (mm) | (In)       | (mm) | @ 70°F (20°C)                | @ 122°F (50°C) | Reel                  | Coil    | Reel                 | Coil    |
| A4176      | 04        | 1/4        | 6.5  | .500       | 12.7 | 300                          | 180            | 500 ft.               | 100 ft. | 44 lbs.              | 8 lbs.  |
| * A4176    | 06        | 3/8        | 9.5  | .625       | 15.9 | 300                          | 180            | 500 ft.               | 100 ft. | 58 lbs.              | 11 lbs. |
| A4176      | 08        | 1/2        | 12.7 | .813       | 20.7 | 300                          | 180            | 500 ft.               | 100 ft. | 93 lbs.              | 18 lbs. |

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\*Non stock item.

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**NEW  
PRODUCT**

**Kuri Tec®**

**NAUTILUS™  
Series K2W**

**Weighted Aeration Tubing**

A special weighted flexible PVC tubing that is ideal for trouble free delivery of air to pond aeration systems.

**Construction:**

Special black weighted PVC compound ensures durability, reliability and sink-ability while in use.

**Features:**

- Remains flexible for use in a wide range of temperatures.
- Greatly reduces installation time, requires no maintenance following instructions.
- Naturally sinks without the use of additional weights or anchors.
- Available in 3/8", 1/2", 5/8, 3/4 and 1" ID sizes to fit most aeration systems.

- Packaged in coils or reels depending on application lengths required.

**Applications:**

- Pond and lake aeration.
- Water recirculation.
- Ice clearing.
- Wastewater lagoons.
- Commercial hatcheries.

Service Temperature Range: 25°F (-4°C) to +150°F (+65°C)

**Nominal Specifications**

| Series No. | Size Code | Nominal ID |      | Nominal OD |      | Standard Length Coils | Approx. Wt. lbs/Pkg. |
|------------|-----------|------------|------|------------|------|-----------------------|----------------------|
|            |           | (In)       | (mm) | (In)       | (mm) |                       |                      |
| K2W        | 0611      | 3/8"       | 9.5  | 0.690      | 17.5 | 300 ft.               | 60 lbs.              |
| K2W        | 0815      | 1/2"       | 12.7 | 0.960      | 24.4 | 200 ft.               | 80 lbs.              |
| K2W        | 1017      | 5/8"       | 15.9 | 1.065      | 27.1 | 100 ft.               | 44 lbs.              |
| K2W        | 1220      | 3/4"       | 19.1 | 1.275      | 32.4 | 100 ft.               | 63 lbs.              |
| K2W        | 1627      | 1"         | 25.4 | 1.690      | 42.9 | 100 ft.               | 111 lbs.             |

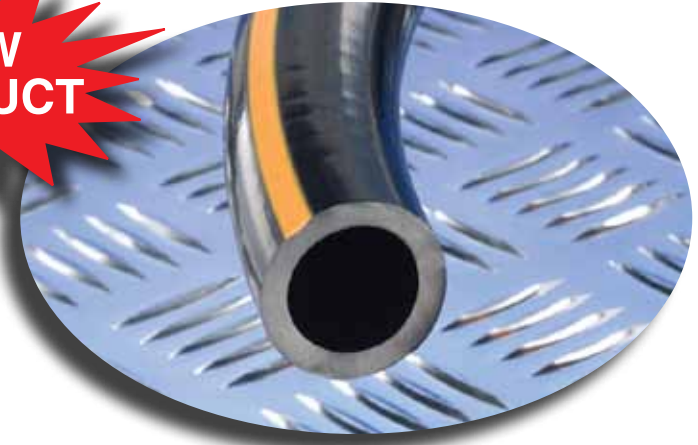
Note: The Nautilus Weighted Aeration Tubing ID sizes and specification information listed above are based on average dimensions. Special ID sizes and lengths are available on request. All products are priced on request. Check with your local sales office for additional details.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## Series K7000 Anti-Stat Blasting Tubing



A specially formulated anti-static PVC tubing for the loading of ammonium nitrate/fuel oil blasting agents used in the mining and construction industries.

**Construction:**

Specially-formulated anti-static PVC compound.

**Features:**

- Conductivity – effectively limits build-up of static electricity; provides path for its safe dissipation to ground.
- Bleeds off static charges built up during pneumatic loading of Ammonium Nitrate/Fuel Oil mixtures.
- Sufficient resistance – guards blasting circuit against stray electrical currents.
- Wear resistance – smooth interior and exterior surfaces, combined with tough material formulation, provide good wear resistance.
- Self-extinguishing characteristics.
- Excellent flexibility – sufficiently flexible to handle easily, yet rigid enough to reach upwards into collars of steeply-inclined holes.

- Easily identifiable – co-extruded continuous orange stripe makes tubing visible in underground lighting.
- Embossed branding – provides lasting identification.
- Packaged for ease of handling and shipping.

**Applications:**

- Bulk unloading of ammonium nitrate/fuel oil blasting agents in small diameter holes.
- Successfully used for years with Orica’s blast hole chargers, intermediate loaders and the Penberthy Anoloader.
- Mining and construction site blasting.

**Service Temperature Range:** -30°F (-35°C) to +150°F (+65°C)

### Nominal Specifications

| Series No. | Size Code | Inside Diameter |    | Approx. O.D. |    | Max. W.P. |      | Approx. Wt. per 100 ft. (lbs.) | Approx. Mass per 100 m (kg.) | Length/Coil |    |
|------------|-----------|-----------------|----|--------------|----|-----------|------|--------------------------------|------------------------------|-------------|----|
|            |           | Inches          | mm | Inches       | mm | PSI       | MPa  |                                |                              | ft.         | m  |
| K7000      | 10        | 5/8             | 16 | 55/64        | 22 | 120       | 0.83 | 17.5                           | 25                           | 200         | 61 |
| K7000      | 12        | 3/4             | 19 | 1 1/16       | 27 | 120       | 0.83 | 28                             | 40                           | 200         | 61 |
| K7000      | 16        | 1               | 25 | 1 21/64      | 34 | 120       | 0.83 | 38                             | 55                           | 300         | 91 |
| K7000      | 20        | 1 1/4           | 32 | 1 5/8        | 41 | 120       | 0.83 | 55                             | 78                           | 100         | 30 |

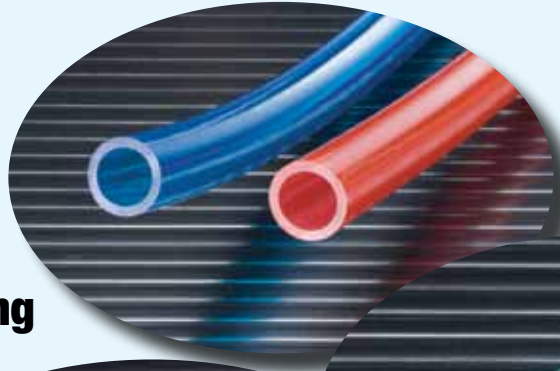
NOTE: A new coil of tubing can have its pliancy restored by the application of heat before it is placed in service underground. This will facilitate handling and its attachment to pneumatic loading equipment. Steam or very hot water passed through the coiled tubing will remove the "set" from the new tubing and allow it to be straightened easily. The tubing should then be left to cool in the straight position.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

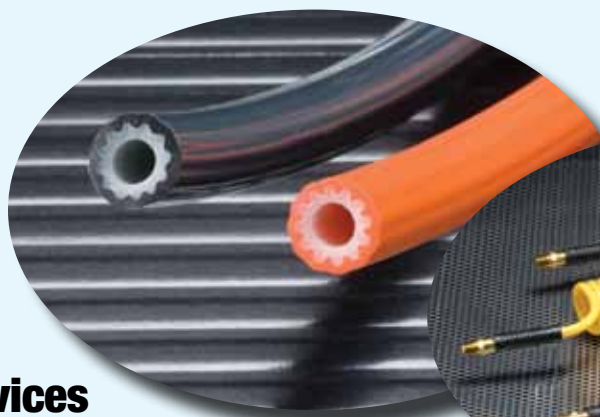
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## Custom Services

- **Custom Colors/Tints**
- **Striping**
- **Private Branding (Logos)**
- **Custom Packaging/Labeling**



- **Twin Weld  
(Permanent and Strippable)**
- **Special Sizes**
- **In-Line Cut to Length**

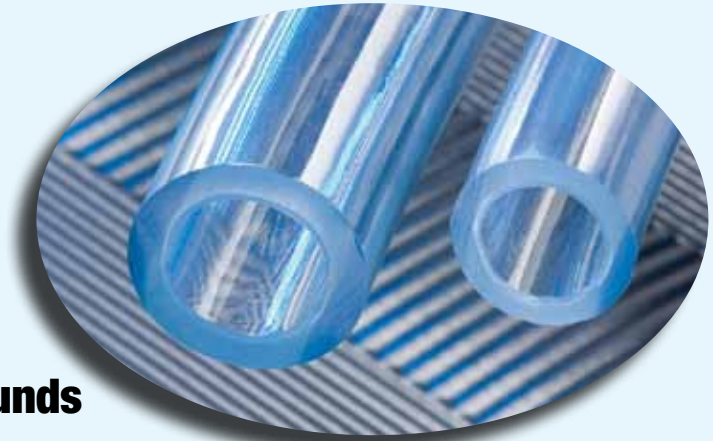


- **Custom Dies**
- **Assembly Services**

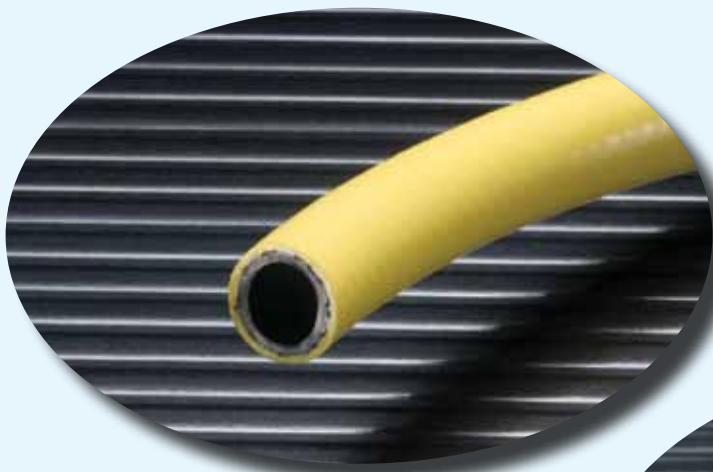


## **Custom Compounds/Extrusions**

- **Co-extrusions**
- **Anti-Static**
- **UV Stabilization**
- **Anti-Microbial**
- **Custom Application Compounds**



## **Custom Applications**



**Conductive Powder Paint Hoses - Powder Painting Industry.**

**Dual Conductive Hoses for Air and Spray Applications.**



**Company Profile**

Company Name \_\_\_\_\_ Contact \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

**Application Details**

Application \_\_\_\_\_ What is being transported? \_\_\_\_\_

Mostly Indoor Use  Outdoor Use  Solid  Liquid  Gas

Normal working pressure \_\_\_\_\_ psi @ \_\_\_\_\_ ° F/C Is it hazardous? Yes  No

Max. working pressure \_\_\_\_\_ psi @ \_\_\_\_\_ ° F/C Food Grade? Yes  No

Required Approvals? \_\_\_\_\_  
(NSF, USDA, 3A, IAPMO, etc.)

**Development Details**

ID: \_\_\_\_\_ " +/- \_\_\_\_\_ " Color:  Clear

OD: \_\_\_\_\_ " +/- \_\_\_\_\_ "  Translucent (Tint) Color: \_\_\_\_\_

Wall: \_\_\_\_\_ " +/- \_\_\_\_\_ "  Opaque (Solid) Color: \_\_\_\_\_

Cover Finish: Dull  High Gloss  Kuri Tec color acceptable  Color match required

Branding:  Standard Kuri Tec Branding

Custom Branding – Message: \_\_\_\_\_

Packaging: Coils \_\_\_\_\_ ft Boxes \_\_\_\_\_ ft Reels \_\_\_\_\_ ft

Cut Length \_\_\_\_\_ ft/in Tolerance \_\_\_\_\_ ft/in

Other: \_\_\_\_\_

Annual Volume: \_\_\_\_\_ Release Quantity: \_\_\_\_\_

**It's as easy as 1..2..3!**

- 1. Photocopy**
- 2. Complete**
- 3. Fax**

**For U.S. Inquiries:**  
**Fax Numbers: (800) 800-0320 or (847) 885-0996**

**For Canada Inquiries:**  
**Fax Number: (519) 753-7737**

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## ISO 9001 Registration

Kuri Tec® hose and tubing products are manufactured in our own plants, which are ISO 9001 Registered facilities in Canada and the United States.

The ISO 9001 family of standards represents an international consensus on good management practices with the aim of ensuring that the organization can time

and time again deliver the product or services that meet the customer's quality requirements.

ISO 9001 is a quality assurance model against which a plant's quality system can be audited. The standard sets out the requirements for an organization whose business processes range all the way from design and development to production.

## Compliance Footnotes for Kuri Tec® Catalog Products

Many of the Kuri Tec hose & tubing products comply with one or more of the regulatory requirements pertaining to specific applications, such as:

- (01) 3A- The PVC compound complies with the criteria in 3-A Sanitary Standards for Multiple-Use Plastic Materials, number 20.
- (02) ASME A112.18.6 – When properly coupled with suitable fittings, this hose will pass the performance tests as outlined in the ASME standard A112.18.6 for Flexible Water Connectors.
- (03) FDA – The PVC ingredients used are sanctioned for food contact use under CFR title 21, parts 170-199.
- (04) FDA – Material complies with 21 CFR 177.1350.
- (05) FDA – Material complies with 21 CFR 177.1520 (c) 3.1 (b).
- (06) FDA - Type 1, Class A, Category 4 Polyethylene (complies with FDA21 CFR 177.1520 for Olefin Polymers (par (c) 3.2a).
- (07) FDA – Material conforms to FDA CFR 21-177-2600.
- (08) IAPMO certified under standard TS 25-2006 for use in recreational vehicle cold water systems with IAPMO T®-2008 listing printed on hose.
- (09) NSF – The polyurethane material is listed under NSF Standard 61.
- (10) NSF – This hose is certified under NSF/ANSI Standard 61: Drinking Water System Components -- Health Effects. This product has also been evaluated for use in Mechanical Plumbing Device applications with a maximum use restriction of 130 sq. in./L. This certification applies only to the hose without other components attached to the hose. This hose is certified to NSF/ANSI 61, Annex G and is in compliance with California's Health & Safety Code Section 116875 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content  $\leq 0.25\%$ ; Solder and flux lead content  $\leq 0.2\%$ .
- (11) NSF – The inner core tube PVC material is certified under NSF/ANSI standard 51: Food Equipment Materials and is also certified as Potable Water Material under NSF/ANSI Standard 61: Drinking Water System Components -- Health Effects for end use not to exceed a maximum of 128.9 square inches per liter. The inner core tube PVC material is certified to NSF/ANSI 61, Annex G and is in compliance with California's Health & Safety Code Section 116875 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content  $\leq 0.25\%$ ; Solder and flux lead content  $\leq 0.2\%$ .
- (12) NSF – This hose is certified under NSF/ANSI Standard 51: Food Equipment Materials. This hose is certified to NSF/ANSI 61, Annex G and is in compliance with California's Health & Safety Code Section 116875 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content  $\leq 0.25\%$ ; Solder and flux lead content  $\leq 0.2\%$ .
- (13) NSF – This hose is certified under NSF/ANSI standard 51: Food Equipment Materials. The inner core tube PVC material is also certified as Potable Water Material under NSF/ANSI Standard 61: Drinking Water System Components – Health Effects for end use not to exceed a maximum of 128.9 square inches per liter. The inner core tube PVC material is certified to NSF/ANSI 61, Annex G and is in compliance with California's Health & Safety Code Section 116875 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content  $\leq 0.25\%$ ; Solder and flux lead content  $\leq 0.2\%$ .
- (14) NIOSH –When coupled with suitable fittings and apparatus, this air breathing hose will satisfy the NIOSH Air-Supply-Line requirements and tests of Type C Respirators as described in Table 8 to 42 CFR Part 84, subpart J including the test for permeation of hose by gasoline. NOTE: NIOSH only certifies complete breathing respirators and does not issue certification on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.
- (15) RoHS – The product complies with the requirements of the EU directive 2002/95/EC as amended by 2008/35/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- (16) UL – The clear PVC plastic material is certified for Flame Class HB under the Plastics – Components category by UL with a minimum thickness of 0.8 mm.
- (17) USDA – The PVC hose has been found chemically acceptable for use in slaughtering, processing, transporting, or storage areas in direct contact with meat or poultry food product prepared under Federal Inspection.
- (18) USP – The PVC compound has been tested and meets the requirements of the USP guidelines, for Class VI Plastics.

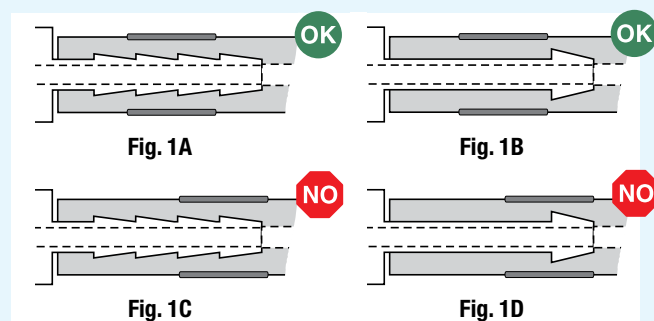
See Kuri Tec products on our web site for more details.

## Fitting Suggestions for Kuri Tec® Hose & Tubing

It is extremely important that the fitting and hose or tubing be properly matched in size and type. The insert should always be slightly larger than the tubing to create a slight expansion of the tube and provide a good consistent seal. If a clamp or ferrule is used to compress the hose, caution must be used to prevent over-crimping the ferrule or over-tightening the clamp. More pressure does not necessarily improve fitting retention.

We do not recommend the use of reusable fittings unless the hose and fitting have been specifically designed to be compatible and have been thoroughly tested in combination prior to use.

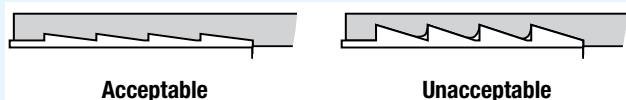
### Clamps over barbed fittings



In the illustrations above, the clamps are properly positioned in Figure 1A and 1B, directly over the middle barbs and behind the first barb. This is extremely important in the case of single-barb fittings, as shown in Figure 1B, since the barb is generally much larger than the shank of the fitting. The compressed material cannot pass over the barb when under tension, thus securely holding the fitting to the hose.

In Figures 1C and 1D, the clamp has been improperly positioned too close to the end of the fitting. In Figure 1C, only the barb nearest the end of the fitting is effective in maintaining fitting retention. The first two barbs serve no purpose whatsoever in providing fitting retention or leak resistance. In Fig. 1D, the situation is even worse, since the clamp can very easily cut the core tube over the enlarged barb, leading to leakage and subsequent cover blisters or bursts.

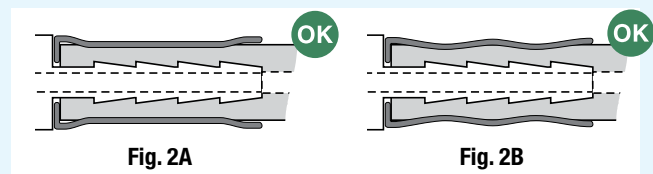
When choosing multi-barb fittings for use with Kuri Tec hose, as in Fig. 1A and 1C, it is important that the barbs not be too deep. The core tubes in Kuri Tec hoses are generally somewhat harder than conventional rubber tubes and therefore the material cannot flow into the deep barb, as it would with a soft rubber compound.



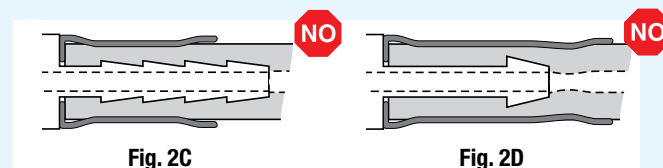
### Ferrules crimped over barbed fittings

When properly crimped, a metal ferrule over a multi-barbed fitting can provide excellent fitting retention and leak resistance. However, excessive crimping pressure can damage the core tube, leading to hose failure. Extreme care must also be taken to control the crimping

diameter for hydraulic fittings. For this reason, as a general rule we do not recommend the use of one-piece crimped hydraulic fittings with Kuri Tec hoses.



In figures 2A and 2B above, two styles of crimping die have been used successfully. The ferrules and fittings are properly matched in length.

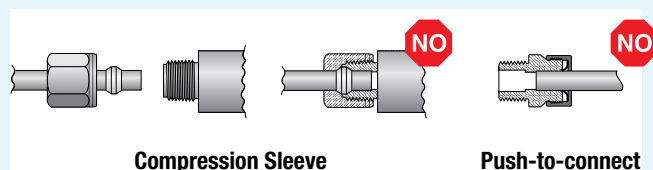


In Fig. 2C, the ferrule is much shorter than the barbed insert. Without the protection of the ferrule, repeated harsh flexing of the hose at the fitting can damage the tube. In addition, the short ferrule does not take full advantage of the sealing or retention properties of the barbed insert.

In figure 2D, there are two potential problems: 1) The excessively-long ferrule can reduce the inside diameter of the hose just beyond the fitting; and 2) a single-barb fitting is not the ideal insert for a crimped ferrule. Because of the increased depth of the single barb, the tube can be cut by the force of the crimping before sufficient compression is exerted on the shank of the fitting.

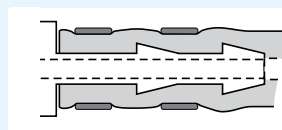
### Compression Fittings

Compression fittings depend solely on contact with the outer surface of the tubing to provide sealing and holding power. There is no seal on the inner surface of the tubing. With the exception of 220/221 Series LLDPE tubing, we do not recommend the use of compression fittings with Kuri Tec hose and tubing. To work properly, the material must be hard and smooth and there must be no yarn reinforcement layer.



### Fitting suggestions for Kuri Tec® spray hoses

In addition to the properly installed fittings shown in Fig. 1A, 1B, 2A and 2B above, we also suggest the use of a two-barb clamped fitting when high pressures are involved.



The double-barb fitting, held in place by two properly positioned clamps, provides excellent fitting retention and



leak resistance without risk of damage to the core tube or deterioration of the yarn reinforcement due to wicking.

### Hose failure near a fitting

A hose is most susceptible to failure near the fitting. The installation of the fitting involves some risk of damage to the core tube. There is also some possibility of slight leakage along a fitting and subsequent yarn wicking, particularly if a one-piece crimped fitting is used. The greatest amount of flexing often occurs near the fitting at either the supply or service end of the hose.

In the investigation of a hose failure near the fitting, it is essential that the fitting/hose interface be examined. In the field, if the failure or deterioration is isolated to the area near the fitting, it is best to cut off the end of the hose, reinstall a new fitting, and monitor the hose in service to see if the problem reoccurs.

If the problem involves a spray hose and fluid slowly leaking through the cover perforations near the fitting, the most likely cause is wicking along the reinforcing yarn from the end of the hose or from a cut or break in

the core tube. Such wicking can extend over several feet and a leak may be seen at a considerable distance from the source of the leak.

If a hose is being returned to the supplier for investigation of a failure, it is essential that the fitting . . . or at least the section of hose in contact with the fitting . . . be returned. Only by examining the inner surface of the tube that was in contact with the fitting can one determine with certainty if the problem began at the fitting.

## WARNING

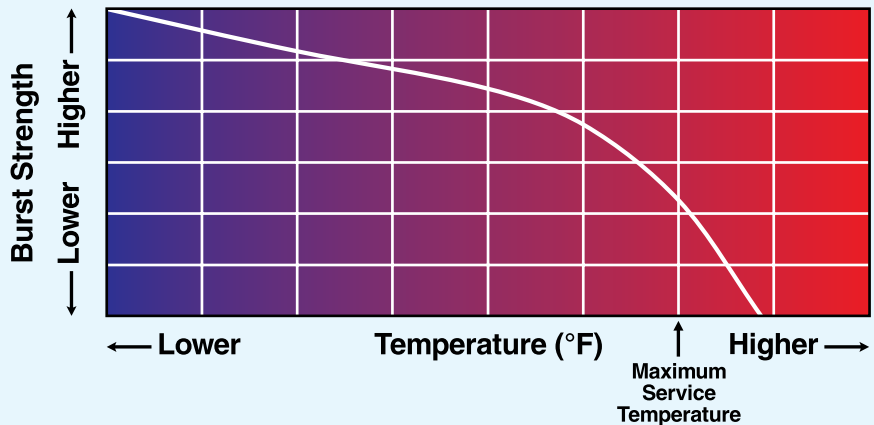
The above comments and fitting suggestions are intended for use as guidelines only. The information provided is based on tests which we believe to be reliable and on our past observations and experience. No warranty is expressed or implied, as applications and methods of fitting installation can vary widely. Before placing a hose in service, the user *must* determine the suitability of the fitting and hose/tube for his or her intended use. The user assumes all risk and liability resulting from the use of any Kuri Tec product with any fitting whatsoever.

## Temperature Dependence of Pressure Rating

As a general rule, the working pressure ratings for plastic reinforced hoses are based on room temperature conditions. The maximum allowable pressure for a hose decreases as the temperature increases and the material becomes softer and more elastic. Fitting retention decreases at higher temperatures as the compression on the material declines.

Working pressure ratings can be affected significantly by the type of fitting used, the method of attachment, and the temperature to which the hose assembly is exposed in service. Repeated intermittent periods of exposure to elevated temperatures can affect fitting retention and it is, therefore, very difficult to assign working pressure ratings at high temperatures. The graph below demonstrates the overall trend.

**Burst strength decreases as temperature increases**



## Working Pressure Ratings

Working pressure ratings are given in this catalog at 70°F and 122°F. Between 122°F and the maximum service temperature, it must be noted that a rapid decline in the pressure rating of the hose may occur, and all factors relating to the hose, fittings and service conditions must be taken into consideration.

No warranty is expressed or implied, as applications and methods of fitting installation may vary widely. Before placing a hose in service, the user *must* determine the suitability of the product under the correct working conditions, and assumes all risk and liability in connection therewith.

## Chemical Resistance Guide

Many new materials have been developed to handle the wide range of modern chemicals being used in industry today. Many of these materials are now being used in the construction of Kuri Tec® hose and tubing products.

The following guide has been prepared to assist the user in the selection of the correct hose for the application. The recommendations are based on the best chemical data available at the time of printing. This guide will be continuously reviewed and new information added as it becomes available.

A material's resistance to the effects of a chemical depends not only upon the particular chemical, but also on other factors such as length of exposure, service temperature, pressure, fluid velocity, and the relative concentration of each component in multi-component mixtures. Therefore, no guarantee is expressed or implied.

The chemical resistance ratings for materials are based on pure material samples and may not take into account specific factors related to the material when used in a hose or tube. It is always advisable that the product be tested under actual conditions.

Additionally, the Chemical Resistance Guide which follows does not imply conformance to any food handling regulations or federal or state/provincial laws governing hose and tubing applications.

Before using any Kuri Tec hose/tubing product with any chemical substance the user must determine the suitability of the product for his/her intended use. The user assumes all risk and liability for the use of any Kuri Tec product with any chemical or other substance.

### Key to Chemical Resistance Guide Ratings

- E = Excellent — Little or no effect due to exposure to the chemical.
- G = Good — Satisfactory service expected, but some deterioration may occur after lengthy exposure or under extreme conditions.
- L = Limited — Variable resistance depending upon the conditions of use (e.g. nature of the chemical, its concentration, service temperature, pressure, etc.).
- U = Unsuitable — Not resistant. Not recommended for use under any conditions.
- C = Cautionary — Although the chemical resistance of the material may be good, special factors exist that must be considered in hose applications, such as regulatory issues, permeation of vapors, and safety, health or environmental concerns.
- = No Data

Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary - =No Data

| Material Handled             | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|------------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                              | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                              | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Acetaldehyde                 | U                | U   | U            | U   | L            | U   | G     | L   | G   | U   | U   | U   |
| Acetate Solvents - Pure      | U                | U   | U            | U   | G            | L   | E     | G   | L   | U   | L   | U   |
| Acetic Acid - Glacial        | L                | U   | L            | U   | U            | U   | L     | U   | U   | U   | U   | U   |
| Acetic Acid 0-10%            | E                | G   | G            | G   | E            | G   | E     | G   | E   | E   | U   | U   |
| Acetic Acid 10-20%           | G                | L   | G            | G   | G            | L   | E     | G   | E   | G   | U   | U   |
| Acetic Acid 20-30 Pct        | G                | L   | G            | L   | G            | L   | E     | G   | E   | L   | U   | U   |
| Acetic Acid 30-60%           | G                | L   | G            | L   | L            | L   | G     | L   | L   | U   | U   | U   |
| Acetic Acid 80%              | L                | L   | L            | L   | U            | U   | U     | U   | L   | U   | U   | U   |
| Acetic Acid Vapors           | G                | G   | G            | G   | G            | L   | G     | L   | G   | L   | U   | U   |
| Acetic Anhydride             | U                | U   | U            | U   | U            | U   | U     | U   | L   | L   | U   | U   |
| Acetone                      | U                | U   | U            | U   | L            | U   | E     | G   | L   | U   | L   | U   |
| Acetylene                    | C                | C   | C            | C   | U            | U   | U     | U   | U   | U   | C   | C   |
| Acrylonitrile                | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | -   |
| Adipic Acid                  | G                | L   | G            | L   | G            | L   | E     | G   | E   | G   | U   | U   |
| Alcohol (See Type)           | -                | -   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Allyl Alcohol 96%            | U                | U   | U            | U   | E            | G   | E     | G   | E   | G   | U   | U   |
| Allyl Chloride               | U                | U   | U            | U   | G            | L   | G     | L   | L   | U   | U   | U   |
| Alum                         | E                | E   | E            | E   | E            | E   | E     | E   | E   | G   | E   | E   |
| Aluminum Chloride            | E                | E   | E            | E   | G            | G   | G     | G   | C   | G   | G   | G   |
| Aluminum Fluoride            | G                | G   | G            | G   | G            | G   | G     | G   | L   | G   | L   | L   |
| Aluminum Hydroxide           | L                | L   | L            | L   | G            | G   | G     | G   | G   | G   | G   | L   |
| Aluminum Nitrate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | L   | L   |
| Aluminum Oxochloride         | E                | E   | E            | E   | G            | G   | G     | G   | G   | -   | -   | -   |
| Aluminum Sulfate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | G   | G   | G   |
| Ammonia - Aqueous            | L                | U   | L            | U   | G            | G   | E     | G   | E   | -   | U   | U   |
| Ammonia - Dry Gas            | L                | U   | L            | U   | E            | E   | E     | G   | E   | -   | U   | U   |
| Ammonia - Liquid             | U                | U   | U            | U   | G            | L   | E     | L   | E   | U   | U   | U   |
| Ammonium Carbonate           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Ammonium Chloride            | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | L   |
| Ammonium Fluoride 25%        | U                | U   | U            | U   | G            | G   | G     | G   | G   | -   | L   | U   |
| Ammonium Hydroxide 28%       | L                | U   | L            | U   | G            | G   | E     | E   | E   | E   | L   | U   |
| Ammonium Metaphosphate       | E                | E   | E            | E   | G            | G   | G     | G   | E   | E   | G   | G   |
| Ammonium Nitrate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | G   |
| Ammonium Persulfate          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | G   |
| Ammonium Phosphate           | G                | G   | G            | G   | G            | G   | E     | G   | E   | -   | G   | G   |
| Ammonium Phosphate - Neutral | E                | E   | E            | E   | G            | G   | E     | G   | E   | -   | G   | G   |
| Ammonium Sulfate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Ammonium Sulfide             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Ammonium Thiocyanate         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | G   |
| Amyl Acetate                 | U                | U   | U            | U   | U            | U   | L     | U   | U   | -   | U   | U   |
| Amyl Alcohol                 | L                | U   | L            | U   | G            | L   | G     | L   | G   | L   | U   | U   |
| Amyl Chloride                | U                | U   | U            | U   | U            | U   | U     | U   | U   | -   | -   | -   |
| Aniline                      | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Aniline Chlorohydrate        | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Aniline Hydrochloride        | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Animal Oils                  | L                | U   | L            | U   | U            | U   | L     | U   | L   | U   | G   | L   |
| Anthraquinone                | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | -   | -   |
| Anthraquinonesulfonic Acid   | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | U   | U   |
| Antimony Trichloride         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Apple (Sauce or Juice)       | E                | E   | -            | -   | -            | -   | E     | E   | -   | -   | -   | -   |
| Aqua Regia                   | L                | U   | L            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Aromatic Hydrocarbons        | U                | U   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Arsenic Acid 80%             | E                | G   | E            | G   | E            | G   | E     | G   | G   | -   | U   | U   |

| Material Handled                  | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |   |
|-----------------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|---|
|                                   | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |   |
|                                   | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |   |
| Arylsulfonic Acid                 | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | U   | U |
| Asphalt                           | L                | U   | L            | U   | L            | U   | L     | U   | U   | U   | G   | L   |   |
| ASTM #1 Oil                       | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | G   | G |
| ASTM #3 Oil                       | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | G   | G |
| ASTM Fuel A                       | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | G   | G |
| ASTM Fuel B                       | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | G   | L |
| ASTM Fuel C                       | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | G   | L |
| Barium Carbonate                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   | E |
| Barium Chloride                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   | E |
| Barium Hydroxide                  | L                | L   | L            | L   | E            | E   | E     | E   | E   | E   | -   | G   | L |
| Barium Sulfate                    | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   | E |
| Barium Sulfide                    | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   | E |
| Beer                              | E                | L   | -            | -   | -            | -   | E     | L   | -   | -   | -   | -   | - |
| Beet-Sugar Liquor                 | E                | E   | -            | -   | E            | E   | E     | E   | E   | E   | -   | -   | - |
| Benzaldehyde                      | U                | U   | U            | U   | U            | U   | E     | G   | L   | U   | U   | U   | U |
| Benzene                           | U                | U   | L            | U   | U            | U   | E     | L   | U   | U   | L   | U   | U |
| Benzoic Acid                      | G                | L   | G            | L   | G            | G   | G     | G   | G   | G   | -   | U   | U |
| Benzol                            | U                | U   | L            | U   | U            | U   | U     | U   | U   | U   | U   | L   | U |
| Bismuth Carbonate                 | E                | E   | E            | E   | G            | G   | G     | G   | E   | E   | -   | E   | E |
| Black Liquor (Paper industry)     | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | -   | - |
| Bleach - 12.5% Active CL          | G                | L   | G            | L   | G            | L   | G     | L   | G   | -   | L   | U   | U |
| Borax                             | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   | E |
| Boric Acid                        | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | G   | U |
| Boron Trifluoride                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   | E |
| Brake Fluid                       | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | U   | U |
| Brine                             | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | G   | U |
| Bromic Acid                       | E                | L   | E            | L   | G            | G   | G     | G   | G   | G   | -   | U   | U |
| Bromine - Liquid                  | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   | U |
| Bromine - Water                   | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   | U |
| Butadiene                         | L                | U   | L            | L   | U            | U   | U     | U   | U   | U   | -   | -   | - |
| Butane                            | C                | C   | C            | C   | U            | U   | U     | U   | U   | U   | C   | C   | C |
| Butanol - Primary                 | U                | U   | U            | U   | E            | G   | E     | G   | G   | -   | L   | U   | U |
| Butanol - Secondary               | U                | U   | U            | U   | E            | G   | E     | G   | G   | -   | L   | U   | U |
| Butter                            | L                | L   | -            | -   | -            | -   | L     | L   | -   | -   | -   | -   | - |
| Butyl Acetate                     | U                | U   | L            | U   | U            | U   | U     | U   | U   | U   | L   | U   | U |
| Butyl Alcohol                     | L                | U   | L            | L   | E            | G   | E     | G   | E   | -   | L   | U   | U |
| Butyl Cellosolve                  | U                | U   | U            | U   | G            | L   | E     | G   | -   | -   | -   | -   | - |
| Butyl Phenol                      | L                | U   | L            | U   | U            | U   | U     | U   | U   | -   | -   | -   | - |
| Butylene                          | C                | C   | C            | C   | U            | U   | U     | U   | -   | -   | C   | C   | C |
| Butyric Acid 20%                  | L                | U   | L            | U   | U            | U   | U     | U   | U   | U   | L   | U   | U |
| Calcium Bisulfite                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   | E |
| Calcium Carbonate                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   | E |
| Calcium Chlorate                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | L   | L |
| Calcium Chloride                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   | L |
| Calcium Hydroxide                 | L                | L   | L            | L   | E            | E   | E     | E   | E   | -   | G   | L   | L |
| Calcium Hypochlorite              | E                | E   | E            | E   | E            | E   | G     | E   | G   | -   | U   | U   | U |
| Calcium Nitrate                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   | E |
| Calcium Sulfate                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   | E |
| Cane Sugar Liquors                | E                | E   | -            | -   | G            | G   | G     | G   | G   | -   | -   | -   | - |
| Carbon Bisulfide                  | U                | U   | U            | U   | U            | U   | U     | U   | U   | -   | -   | -   | - |
| Carbon Dioxide (Aqueous Solution) | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   | E |
| Carbon Dioxide Gas (Wet)          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   | E |
| Carbon Monoxide                   | E                | E   | E            | E   | G            | G   | G     | G   | G   | -   | E   | E   | E |

**Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary --=No Data**

| Material Handled              | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|-------------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                               | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                               | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Carbon Tetrachloride          | U                | U   | L            | U   | U            | U   | L     | U   | U   | U   | L   | U   |
| Carbonic Acid                 | L                | U   | G            | G   | G            | G   | G     | G   | G   | G   | U   | U   |
| Casein                        | E                | L   | E            | E   | E            | E   | E     | E   | E   | —   | E   | E   |
| Castor Oil                    | E                | E   | E            | E   | U            | U   | L     | U   | L   | U   | E   | E   |
| Catsup                        | E                | G   | —            | —   | —            | —   | —     | —   | —   | —   | —   | —   |
| Caustic Potash                | L                | L   | L            | L   | L            | L   | L     | L   | L   | —   | L   | U   |
| Caustic Soda                  | L                | L   | L            | L   | G            | L   | L     | L   | G   | —   | L   | U   |
| Cellosolve                    | L                | U   | G            | L   | G            | L   | G     | L   | L   | U   | G   | L   |
| Chloroacetic Acid             | E                | U   | E            | U   | U            | U   | G     | L   | U   | U   | U   | U   |
| Chloral Hydrate               | E                | E   | E            | E   | U            | U   | U     | U   | L   | U   | G   | L   |
| Chloric Acid 20%              | E                | E   | E            | E   | —            | —   | —     | —   | —   | —   | U   | U   |
| Chlorinated Hydrocarbons      | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Chlorine Gas (Dry)            | G                | G   | G            | G   | U            | U   | U     | U   | U   | U   | U   | U   |
| Chlorine Gas (Moist)          | L                | U   | L            | L   | U            | U   | U     | U   | U   | U   | U   | U   |
| Chlorine Water 2%             | G                | L   | G            | L   | L            | U   | G     | L   | G   | L   | L   | U   |
| Chlorine Water Saturated      | L                | U   | L            | U   | —            | —   | E     | G   | E   | L   | —   | —   |
| Chlorobenzene                 | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Chloroform                    | U                | U   | U            | U   | U            | U   | L     | U   | U   | U   | U   | U   |
| Chlorosulfonic Acid           | L                | U   | L            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Chrome Alum                   | E                | E   | E            | E   | G            | G   | E     | G   | E   | G   | E   | E   |
| Chromic Acid 10%              | G                | L   | G            | L   | G            | L   | G     | L   | G   | —   | U   | U   |
| Chromic Acid 25%              | G                | L   | G            | L   | G            | L   | G     | L   | G   | —   | U   | U   |
| Chromic Acid 30%              | L                | U   | L            | U   | L            | U   | L     | U   | L   | U   | U   | U   |
| Chromic Acid 40%              | L                | U   | L            | U   | L            | U   | L     | U   | L   | U   | U   | U   |
| Chromic Acid 50%              | L                | U   | L            | U   | L            | U   | L     | U   | L   | U   | U   | U   |
| Chromic Acid Plating Solution | —                | —   | —            | —   | —            | —   | —     | —   | E   | E   | U   | U   |
| Cider                         | E                | L   | —            | —   | —            | —   | E     | G   | E   | L   | —   | —   |
| Citric Acid                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | U   | U   |
| Coal Tar                      | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Coconut Oil                   | G                | L   | E            | G   | G            | L   | G     | L   | L   | U   | E   | E   |
| Copper Chloride               | E                | E   | E            | E   | E            | E   | E     | E   | E   | —   | E   | E   |
| Copper Cyanide                | E                | E   | E            | E   | E            | E   | E     | E   | E   | —   | —   | —   |
| Copper Fluoride 2%            | E                | E   | E            | E   | E            | E   | E     | E   | E   | —   | E   | E   |
| Copper Nitrate                | E                | G   | E            | E   | E            | G   | E     | G   | E   | —   | E   | E   |
| Copper Sulfate                | E                | G   | E            | E   | E            | E   | E     | E   | E   | —   | E   | E   |
| Corn Oils                     | E                | G   | —            | —   | —            | —   | L     | U   | —   | —   | —   | —   |
| Cottonseed Oil                | G                | L   | E            | E   | E            | G   | E     | G   | E   | —   | E   | E   |
| Creosote                      | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | —   | —   |
| Cresol                        | U                | U   | —            | —   | U            | U   | U     | U   | U   | U   | L   | U   |
| Cresylic Acid 50%             | U                | U   | L            | L   | U            | U   | U     | U   | U   | U   | U   | U   |
| Crude Oil - Sour              | L                | U   | L            | U   | U            | U   | U     | U   | U   | U   | E   | E   |
| Crude Oil - Sweet             | L                | U   | L            | U   | U            | U   | U     | U   | U   | U   | E   | E   |
| Cyclohexane                   | U                | U   | U            | U   | L            | U   | G     | G   | L   | U   | G   | L   |
| Cyclohexanol                  | U                | U   | U            | U   | L            | U   | G     | L   | E   | L   | L   | U   |
| Cyclohexanone                 | U                | U   | U            | U   | U            | U   | G     | L   | E   | L   | U   | U   |
| Demineralized Water           | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | E   | L   |
| Dextrin                       | E                | E   | E            | E   | E            | E   | E     | E   | E   | —   | E   | E   |
| Dextrose                      | E                | E   | G            | —   | —            | E   | E     | E   | E   | E   | —   | E   |
| Di-acetone Alcohol            | —                | —   | —            | —   | —            | —   | E     | G   | —   | —   | —   | —   |
| Diazo Salts                   | E                | E   | E            | E   | E            | G   | E     | G   | E   | —   | —   | —   |
| Dichlorobenzene               | U                | U   | U            | U   | —            | —   | L     | U   | U   | U   | —   | —   |
| Diesel Oils                   | L                | U   | L            | U   | —            | —   | —     | —   | —   | —   | G   | L   |
| Diethyl Ether                 | U                | U   | U            | U   | —            | —   | G     | L   | U   | U   | G   | L   |

| Material Handled           | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|----------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                            | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                            | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Diethylene Glycol          | G                | L   | G            | L   | E            | L   | E     | G   | G   | L   | U   | U   |
| Diglycolic Acid            | E                | G   | E            | E   | E            | G   | E     | G   | E   | —   | —   | —   |
| Di-isodecyl Phthalate      | U                | U   | —            | —   | —            | —   | —     | —   | —   | —   | —   | —   |
| Dimethylamine              | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Diocetyl Phthalate         | U                | U   | U            | U   | —            | —   | G     | L   | G   | U   | —   | —   |
| Disodium Phosphate         | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Distilled Water            | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | E   | L   |
| Ethers                     | U                | U   | L            | U   | U            | U   | G     | L   | U   | U   | G   | L   |
| Ethyl Acetate              | U                | U   | L            | U   | L            | U   | E     | G   | L   | U   | L   | U   |
| Ethyl Acrylate             | U                | U   | U            | U   | —            | —   | —     | —   | —   | —   | —   | —   |
| Ethyl Alcohol 0-50%        | G                | L   | E            | G   | G            | L   | E     | E   | G   | L   | G   | L   |
| Ethyl Alcohol 50-98%       | L                | U   | G            | L   | L            | U   | E     | G   | L   | U   | E   | G   |
| Ethyl Chloride             | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Ethyl Ether                | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | G   | L   |
| Ethylene Bromide           | E                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Ethylene Dichloride        | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Ethylene Glycol            | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | G   | L   |
| Ethylene Oxide             | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Fatty Acids                | E                | E   | E            | E   | G            | L   | G     | L   | L   | U   | G   | L   |
| Ferric Chloride            | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Ferric Nitrate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Ferric Sulfate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Ferrous Chloride           | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Ferrous Sulfate            | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Fish Solubles              | E                | E   | E            | U   | E            | E   | E     | E   | E   | E   | —   | E   |
| Fluorine Gas - Dry         | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Fluorine Gas - Wet         | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Fluoroboric Acid           | E                | E   | E            | E   | E            | E   | E     | E   | G   | E   | —   | E   |
| Fluorosilicic Acid         | E                | E   | E            | E   | G            | L   | G     | L   | G   | —   | U   | U   |
| Foric Acid                 | E                | L   | E            | L   | E            | G   | E     | G   | E   | E   | U   | U   |
| Formaldehyde (40% Aqueous) | U                | U   | G            | G   | G            | L   | G     | L   | E   | G   | —   | —   |
| Formic Acid 3%             | —                | —   | —            | —   | —            | —   | —     | —   | E   | E   | —   | —   |
| Formic Acid 10%            | —                | —   | —            | —   | —            | —   | —     | —   | E   | E   | —   | —   |
| Formic Acid 25%            | —                | —   | —            | —   | —            | —   | —     | —   | E   | E   | —   | —   |
| Formic Acid 50%            | —                | —   | —            | —   | —            | —   | —     | —   | E   | E   | —   | —   |
| Formic Acid 100%           | —                | —   | —            | —   | —            | —   | —     | —   | U   | U   | —   | —   |
| Freon-12                   | L                | U   | G            | L   | G            | L   | G     | L   | G   | —   | E   | E   |
| Fructose                   | E                | E   | —            | —   | E            | E   | E     | E   | E   | —   | E   | E   |
| Fruit Pulps and Juices     | E                | E   | —            | —   | E            | E   | E     | E   | E   | —   | E   | E   |
| Fuel Oil                   | G                | L   | G            | L   | U            | U   | G     | U   | U   | U   | E   | G   |
| Furfural                   | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Furfuryl Alcohol           | —                | —   | —            | —   | —            | —   | —     | —   | U   | U   | —   | —   |
| Gallic Acid                | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | —   |
| Gas - Coke Oven            | G                | G   | G            | G   | —            | —   | —     | —   | —   | —   | G   | G   |
| Gas - Natural (Dry)        | C                | C   | C            | C   | U            | U   | U     | U   | U   | U   | C   | C   |
| Gas - Natural (Wet)        | C                | C   | C            | C   | U            | U   | U     | U   | U   | U   | C   | C   |
| Gasoline                   | U                | U   | U            | U   | U            | G   | L     | —   | —   | E   | G   | —   |
| Gasoline - Refined         | L                | U   | G            | U   | L            | U   | L     | U   | U   | U   | E   | G   |
| Gasoline - Sour            | L                | U   | G            | U   | U            | U   | U     | U   | U   | U   | E   | G   |
| Gelatine                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Glucose                    | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Glycerine (Glycerol)       | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | E   |
| Glycol                     | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | —   | G   |

Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary - =No Data

| Material Handled                    | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|-------------------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                                     | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                                     | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Glycolic Acid 30%                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | U   | U   |
| Grease                              | E                | L   | E            | G   | -            | -   | -     | -   | -   | -   | E   | G   |
| Green Liquor (Paper industry)       | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | -   | -   |
| Heptane                             | L                | U   | G            | U   | U            | U   | U     | U   | U   | E   | -   | -   |
| Hexadecanol                         | -                | -   | -            | -   | -            | -   | -     | U   | U   | U   | -   | -   |
| Hexane                              | L                | U   | L            | U   | G            | L   | E     | E   | -   | -   | -   | -   |
| Hexanol, Tertiary                   | L                | U   | L            | U   | G            | L   | G     | L   | L   | U   | G   | -   |
| Hydrobromic Acid 20%                | E                | G   | E            | G   | G            | G   | G     | G   | G   | -   | U   | U   |
| Hydrochloric Acid 10%               | E                | G   | E            | G   | E            | E   | E     | E   | E   | E   | U   | U   |
| Hydrochloric Acid 48%               | E                | G   | E            | G   | E            | G   | E     | G   | G   | -   | U   | U   |
| Hydrofluoric Acid 4%                | G                | G   | G            | G   | G            | G   | G     | G   | G   | E   | E   | U   |
| Hydrofluoric Acid 10%               | G                | L   | G            | L   | G            | G   | G     | G   | E   | E   | U   | U   |
| Hydrofluoric Acid 48%               | G                | U   | G            | L   | G            | L   | G     | L   | E   | E   | U   | U   |
| Hydrofluoric Acid 60%               | G                | U   | G            | U   | G            | L   | G     | L   | E   | E   | U   | U   |
| Hydrofluorosilic Acid               | G                | L   | G            | L   | -            | -   | -     | -   | -   | -   | U   | U   |
| Hydrogen                            | C                | C   | C            | C   | C            | C   | C     | C   | C   | -   | C   | C   |
| Hydrogen Bromide (Dry)              | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Hydrogen Chloride (Dry)             | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Hydrogen Cyanide                    | C                | C   | C            | C   | C            | C   | C     | C   | C   | C   | U   | U   |
| Hydrogen Peroxide 3 -12%            | E                | G   | E            | G   | G            | L   | G     | L   | G   | L   | G   | L   |
| Hydrogen Peroxide 30%               | E                | G   | E            | G   | G            | L   | G     | L   | G   | L   | G   | L   |
| Hydrogen Peroxide 50%               | E                | L   | E            | L   | L            | U   | L     | U   | U   | L   | U   | U   |
| Hydrogen Peroxide 90%               | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Hydrogen Phosphide                  | E                | L   | E            | L   | G            | G   | G     | G   | E   | E   | -   | -   |
| Hydrogen Sulfide (Aqueous Solution) | E                | E   | E            | E   | E            | G   | E     | G   | E   | -   | -   | -   |
| Hydrogen Sulfide - Dry              | E                | E   | E            | E   | E            | G   | E     | G   | E   | -   | -   | -   |
| Hydrobromic Acid 20%                | E                | G   | E            | G   | G            | G   | G     | G   | G   | -   | U   | U   |
| Hydroquinone                        | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Hypochlorous Acid                   | E                | E   | E            | E   | E            | G   | E     | G   | L   | U   | L   | U   |
| Inks                                | -                | -   | -            | -   | -            | -   | E     | E   | E   | E   | -   | -   |
| Iodine (In Alcohol)                 | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Iso-octane                          | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | -   |
| Isopropyl Acetate                   | U                | U   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Isopropylalcohol Jelly              | E                | G   | E            | G   | E            | E   | E     | E   | E   | -   | -   | -   |
| Jet Fuels JP 3, 4, 5                | E                | E   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Kerosene                            | U                | U   | U            | U   | U            | U   | -     | -   | -   | G   | L   | -   |
| Ketones                             | U                | U   | L            | U   | U            | L   | U     | U   | U   | E   | G   | -   |
| Kraft Liquor (Paper industry)       | U                | U   | U            | U   | L            | U   | E     | G   | L   | U   | G   | -   |
| Lacquer Thinners                    | U                | U   | U            | U   | G            | L   | E     | G   | L   | U   | G   | -   |
| Lactic Acid 28%                     | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | L   | U   |
| Lard Oil                            | E                | G   | E            | E   | G            | L   | G     | L   | G   | L   | E   | G   |
| Lauric Acid                         | E                | E   | E            | E   | -            | -   | L     | U   | -   | -   | L   | U   |
| Lauryl Chloride                     | E                | E   | E            | E   | L            | U   | L     | U   | L   | -   | E   | G   |
| Lauryl Sulfate                      | E                | E   | E            | E   | U            | U   | U     | U   | U   | -   | -   | -   |
| Lead Acetate                        | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Lead Arsenate                       | E                | E   | E            | E   | -            | -   | -     | -   | E   | E   | -   | -   |
| Lead Nitrate                        | E                | E   | E            | E   | -            | -   | -     | -   | E   | E   | -   | -   |
| Lead Tetra-ethyl Lemon Juice        | E                | E   | E            | E   | -            | -   | -     | -   | E   | E   | -   | -   |
| Lime Sulfur                         | E                | G   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Lime Sulfur                         | E                | E   | E            | E   | G            | G   | G     | G   | G   | -   | -   | -   |
| Linoleic Acid                       | E                | E   | E            | E   | -            | -   | -     | -   | -   | -   | L   | U   |

| Material Handled         | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|--------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                          | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                          | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Linseed Oil              | E                | E   | E            | E   | U            | U   | L     | U   | L   | U   | E   | E   |
| Liquors (Chemical)       | E                | G   | E            | G   | -            | -   | E     | G   | E   | G   | -   | -   |
| Lubricating Oils         | G                | L   | G            | G   | U            | U   | U     | U   | U   | U   | E   | E   |
| Magnesium Carbonate      | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   |
| Magnesium Chloride       | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | -   | E   |
| Magnesium Hydroxide      | L                | L   | L            | L   | E            | E   | E     | E   | E   | -   | G   | L   |
| Magnesium Nitrate        | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Magnesium Sulfate        | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Maleic Acid 25% Aqueous  | E                | E   | E            | E   | G            | G   | G     | G   | E   | E   | L   | U   |
| Maleic Acid 50%          | -                | -   | -            | -   | -            | -   | E     | E   | E   | E   | -   | -   |
| Maleic Acid Concentrated | -                | -   | -            | -   | -            | -   | E     | G   | E   | G   | -   | -   |
| Malic Acid               | E                | E   | E            | E   | G            | G   | G     | G   | G   | -   | L   | U   |
| Mayonnaise               | E                | E   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Mercuric Chloride        | G                | L   | G            | G   | G            | G   | G     | G   | G   | G   | G   | L   |
| Mercuric Cyanide         | U                | U   | U            | U   | G            | G   | G     | G   | G   | G   | -   | -   |
| Mercurous Nitrate        | G                | G   | G            | G   | G            | G   | G     | G   | G   | -   | G   | G   |
| Mercury                  | G                | G   | G            | G   | G            | G   | G     | G   | G   | L   | -   | -   |
| Methyl Acetate           | U                | U   | U            | U   | -            | -   | -     | -   | U   | U   | -   | -   |
| Methyl Alcohol           | L                | U   | L            | U   | G            | E   | G     | E   | G   | E   | -   | L   |
| Methyl Bromide           | U                | U   | U            | U   | -            | -   | -     | -   | U   | U   | -   | -   |
| Methyl Chloride          | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Methyl Ethyl Ketone      | U                | U   | U            | U   | L            | U   | E     | G   | L   | U   | L   | U   |
| Methyl Isobutyl Ketone   | U                | U   | U            | U   | L            | U   | E     | G   | L   | U   | -   | -   |
| Methyl Sulfate           | E                | G   | E            | G   | -            | -   | -     | -   | -   | -   | E   | G   |
| Methyl Sulfuric Acid     | E                | E   | E            | E   | G            | G   | G     | G   | E   | E   | U   | U   |
| Methylated Spirit        | -                | -   | -            | -   | -            | -   | -     | -   | E   | G   | -   | -   |
| Methylene Chloride       | U                | U   | L            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Milk                     | E                | E   | -            | -   | -            | -   | E     | E   | G   | L   | -   | -   |
| Mineral Oils             | G                | L   | E            | E   | L            | U   | L     | U   | L   | U   | E   | E   |
| Mineral Spirits          | -                | -   | -            | -   | -            | -   | E     | G   | -   | -   | -   | -   |
| Molasses                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Monochlorobenzene        | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | -   |
| Naphtha                  | U                | U   | L            | U   | U            | U   | G     | L   | U   | U   | G   | U   |
| Napthalene               | U                | U   | U            | U   | L            | U   | L     | U   | U   | U   | -   | -   |
| Nickel Acetate           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Nickel Chloride          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Nickel Nitrate           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Nickel Sulphate          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Nicotine                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | C   | C   |
| Nicotine Acid            | E                | G   | E            | E   | E            | E   | E     | E   | E   | -   | C   | C   |
| Nitric Acid (Anhydrous)  | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Nitric Acid 10%          | E                | G   | G            | L   | G            | L   | G     | G   | G   | G   | U   | U   |
| Nitric Acid 25%          | G                | L   | G            | L   | G            | L   | G     | G   | G   | L   | U   | U   |
| Nitric Acid 35%          | G                | L   | G            | L   | L            | U   | G     | U   | L   | U   | U   | U   |
| Nitric Acid 40%          | G                | L   | G            | L   | L            | U   | L     | U   | L   | U   | U   | U   |
| Nitric Acid 50%          | G                | U   | G            | U   | L            | U   | L     | U   | L   | U   | U   | U   |
| Nitric Acid 60%          | G                | U   | G            | U   | U            | U   | L     | U   | U   | U   | U   | U   |
| Nitric Acid 68%          | L                | U   | L            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Nitric Acid 70%          | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Nitrobenzene             | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Nitrous Oxide            | E                | E   | E            | E   | -            | -   | -     | -   | -   | -   | E   | E   |
| Oils and Fats            | E                | G   | E            | E   | G            | L   | G     | L   | G   | U   | E   | E   |
| Oils, Petroleum          | E                | G   | E            | E   | G            | L   | G     | L   | G   | U   | E   | E   |
| Oleic Acid               | G                | L   | G            | L   | L            | U   | L     | U   | U   | U   | U   | U   |

**Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary - =No Data**

| Material Handled              | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|-------------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                               | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                               | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Oleum                         | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Orange Juice                  | E                | E   | -            | -   | -            | -   | G     | L   | -   | -   | -   | -   |
| Oxalic Acid                   | E                | G   | E            | G   | G            | G   | E     | G   | G   | G   | U   | U   |
| Oxygen                        | E                | G   | E            | G   | G            | -   | G     | L   | G   | L   | E   | E   |
| Ozone                         | L                | U   | L            | U   | U            | U   | L     | U   | U   | U   | -   | -   |
| Palmitic Acid 10%             | E                | E   | E            | E   | G            | L   | G     | L   | E   | G   | U   | U   |
| Palmitic Acid 70%             | L                | U   | L            | U   | G            | U   | G     | U   | L   | U   | U   | U   |
| Paraffin                      | E                | G   | E            | G   | -            | -   | G     | L   | L   | U   | E   | G   |
| Pentane                       | L                | U   | L            | U   | -            | -   | E     | G   | -   | -   | -   | -   |
| Peracetic Acid 40%            | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | U   | U   |
| Perchloroethylene             | U                | U   | U            | U   | U            | U   | -     | -   | -   | -   | -   | -   |
| Perchloric Acid 10%           | G                | L   | G            | L   | G            | G   | G     | G   | G   | G   | U   | U   |
| Perchloric Acid 70%           | L                | U   | L            | U   | G            | L   | G     | L   | G   | -   | U   | U   |
| Petrol                        | U                | U   | U            | U   | U            | U   | -     | -   | U   | U   | -   | -   |
| Petroleum Ether               | L                | L   | L            | L   | -            | -   | -     | -   | U   | U   | -   | -   |
| Phenol                        | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Phenylhydrazine               | U                | U   | U            | U   | L            | U   | L     | U   | -   | -   | -   | -   |
| Phenylhydrazine Hydrochloride | L                | U   | L            | U   | L            | U   | L     | U   | -   | -   | -   | -   |
| Phosgene (Gas)                | C                | C   | C            | C   | -            | -   | -     | -   | C   | U   | -   | -   |
| Phosgene (Liquid)             | U                | U   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Phosphoric Acid 0-25%         | E                | G   | E            | G   | E            | G   | E     | G   | E   | G   | U   | U   |
| Phosphoric Acid 25-50%        | E                | G   | E            | G   | E            | G   | E     | G   | E   | G   | U   | U   |
| Phosphoric Acid 50-90%        | E                | G   | E            | G   | G            | L   | G     | L   | E   | L   | U   | U   |
| Phosphorus (Yellow)           | G                | L   | G            | L   | L            | L   | L     | L   | U   | U   | -   | -   |
| Phosphorus Pentoxide          | L                | U   | L            | U   | L            | L   | G     | L   | G   | L   | -   | -   |
| Phosphorus Trichloride        | U                | U   | U            | U   | L            | U   | L     | U   | L   | U   | -   | -   |
| Photographic Developers       | L                | U   | L            | U   | -            | -   | E     | E   | E   | E   | L   | -   |
| Photographic Emulsions        | L                | U   | L            | U   | -            | -   | E     | E   | E   | E   | -   | -   |
| Photographic Fixers           | L                | U   | L            | U   | -            | -   | E     | E   | E   | E   | -   | -   |
| Picric Acid                   | U                | U   | U            | U   | G            | U   | G     | U   | G   | L   | U   | U   |
| Pitch                         | G                | L   | G            | L   | -            | -   | E     | G   | -   | -   | -   | -   |
| Plating Solutions             |                  |     |              |     |              |     |       |     |     |     |     |     |
| Brass                         | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Cadmium                       | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Chromium                      | G                | G   | G            | G   | U            | U   | U     | U   | U   | U   | G   | G   |
| Copper                        | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Gold                          | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Jodium                        | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Lead                          | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Nickel                        | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Rhodium                       | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Silver                        | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Tin                           | E                | E   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Zinc                          | E                | G   | E            | E   | G            | G   | G     | G   | L   | -   | E   | E   |
| Potable Water                 | E                | G   | -            | -   | -            | -   | E     | E   | E   | G   | -   | -   |
| Potassium Acid Sulfate        | E                | E   | E            | E   | E            | G   | E     | G   | G   | -   | E   | E   |
| Potassium Antimonate          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Bicarbonate         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Bichromate          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Bisulfite           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Bisulphate          | G                | L   | -            | -   | -            | -   | E     | E   | E   | -   | -   | -   |
| Potassium Borate 1%           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Bromate 10%         | E                | E   | E            | E   | E            | G   | E     | G   | E   | -   | E   | E   |

| Material Handled            | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|-----------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                             | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                             | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Potassium Bromide           | E                | E   | E            | E   | E            | G   | E     | G   | E   | -   | E   | E   |
| Potassium Carbonate         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Chlorate          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | G   |
| Potassium Chloride          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Potassium Chromate 40%      | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | G   |
| Potassium Cuprocyanide      | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | -   | -   |
| Potassium Cyanide           | C                | C   | C            | C   | C            | C   | C     | C   | C   | C   | C   | C   |
| Potassium Dichromate 40%    | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | G   |
| Potassium Ferricyanide      | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Fluoride          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Potassium Hydroxide 10%     | L                | L   | L            | L   | E            | E   | E     | E   | E   | -   | L   | U   |
| Potassium Hydroxide 20%     | L                | L   | L            | L   | E            | E   | E     | E   | E   | -   | U   | U   |
| Potassium Hydroxide 35%     | U                | U   | U            | U   | G            | L   | E     | G   | G   | -   | U   | U   |
| Potassium Hydroxide Conc.   | U                | U   | U            | U   | -            | -   | -     | -   | E   | L   | -   | -   |
| Potassium Hypochlorite      | G                | L   | G            | L   | G            | G   | G     | L   | E   | -   | U   | U   |
| Potassium Nitrate           | E                | E   | E            | E   | G            | G   | G     | G   | E   | E   | E   | E   |
| Potassium Perborate         | E                | E   | E            | E   | G            | L   | G     | L   | E   | E   | E   | E   |
| Potassium Perchlorite       | E                | E   | E            | E   | G            | G   | G     | G   | G   | -   | G   | L   |
| Potassium Permanganate 10%  | G                | G   | E            | E   | E            | E   | E     | E   | U   | U   | G   | L   |
| Potassium Persulfate        | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Phosphate         | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Potassium Sulfate           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Sulfide           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Potassium Thiosulfate       | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Power Steering Fluid        | E                | L   | E            | L   | -            | -   | -     | -   | -   | -   | E   | E   |
| Propane                     | C                | C   | C            | C   | U            | U   | U     | U   | U   | U   | C   | C   |
| Propargyl Alcohol           | E                | E   | E            | E   | G            | G   | G     | G   | E   | E   | -   | -   |
| Propyl Alcohol              | E                | L   | E            | E   | E            | E   | E     | E   | E   | -   | G   | L   |
| Propylene Dichloride        | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Propylene Glycol            | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Prune Juice                 | E                | E   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Ritchfield "A" Weed Killer  | E                | L   | E            | G   | -            | -   | -     | -   | -   | -   | -   | -   |
| Salicylic Acid              | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Salt Water                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | E   | L   |
| Selenic Acid                | E                | G   | E            | G   | G            | L   | G     | L   | G   | L   | U   | U   |
| Shortening                  | G                | L   | -            | -   | -            | -   | E     | E   | E   | E   | -   | -   |
| Silicic Acid                | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | U   | U   |
| Silicone Fluids             | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Silver Cyanide              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Silver Nitrate              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Silver Plating Solutions    | E                | G   | E            | G   | E            | G   | E     | G   | E   | -   | E   | E   |
| Soap Solution               | E                | G   | E            | G   | E            | G   | G     | L   | G   | L   | G   | U   |
| Sodium Acetate              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Acid Sulfate         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Antimonate           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Arsenite             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Benzoate             | E                | G   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Bicarbonate          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Bisulfate            | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Bisulfite            | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Bromide              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Sodium Carbonate (Soda Ash) | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |

Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary - =No Data

| Material Handled            | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |
|-----------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|
|                             | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |
|                             | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |
| Sodium Chlorate             | G                | L   | G            | L   | E            | E   | E     | E   | E   | -   | G   | G   |
| Sodium Chloride             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Sodium Cyanide              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Dichromate           | E                | G   | E            | G   | E            | E   | E     | E   | E   | -   | E   | G   |
| Sodium Ferricyanide         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Ferrocyanide         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Fluoride             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Sodium Hydroxide 10%        | L                | L   | L            | L   | E            | E   | E     | E   | E   | -   | G   | L   |
| Sodium Hydroxide 35%        | U                | U   | U            | U   | E            | E   | E     | E   | E   | -   | L   | U   |
| Sodium Hydroxide 50%        | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | -   |
| Sodium Hypochlorite         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | U   | U   |
| Sodium Nitrate              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Nitrite              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Phosphate-Acid       | G                | G   | G            | G   | E            | E   | E     | E   | E   | -   | U   | U   |
| Sodium Silicate             | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Sulfate              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Sulfide              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Sulfite              | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |
| Sodium Thiosulfate (Hypo)   | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Soft Drinks                 | E                | G   | -            | -   | -            | -   | E     | E   | G   | L   | -   | -   |
| Soya Oil                    | E                | G   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Soybean Oil                 | G                | L   | -            | -   | -            | -   | -     | -   | -   | -   | -   | -   |
| Stannic Chloride            | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | G   |
| Stannous Chloride           | E                | G   | E            | G   | E            | E   | E     | E   | E   | -   | E   | G   |
| Starch                      | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Stearic Acid                | L                | L   | L            | L   | E            | E   | E     | E   | E   | -   | L   | U   |
| Stoddard Solvent            | L                | U   | G            | L   | G            | L   | G     | L   | L   | U   | G   | U   |
| Styrene                     | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | -   |
| Sucrose                     | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Sulfur                      | G                | G   | G            | G   | E            | E   | E     | E   | E   | -   | -   | -   |
| Sulfuric Acid 0-10%         | E                | G   | E            | G   | E            | G   | E     | G   | G   | -   | U   | U   |
| Sulfuric Acid 10-40%        | E                | G   | E            | G   | G            | G   | G     | G   | G   | U   | U   | U   |
| Sulfuric Acid 50-60%        | E                | G   | E            | G   | G            | L   | G     | L   | G   | L   | U   | U   |
| Sulfuric Acid 70%           | E                | G   | E            | G   | L            | U   | L     | U   | L   | U   | U   | U   |
| Sulfuric Acid 95%           | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Sulfuric Acid 95% to Fuming | L                | L   | L            | L   | U            | U   | U     | U   | U   | U   | U   | U   |
| Sulfurous Acid              | E                | E   | E            | E   | G            | L   | G     | L   | L   | U   | U   | U   |
| Sulphur Dioxide - Liquid    | L                | U   | L            | U   | U            | U   | U     | U   | U   | -   | -   | -   |
| Sulphur Dioxide Gas - Dry   | E                | E   | E            | E   | G            | G   | G     | G   | E   | G   | -   | -   |
| Sulphur Dioxide Gas - Wet   | L                | U   | L            | U   | G            | L   | G     | L   | E   | L   | -   | -   |
| Sulphur Trioxide            | E                | G   | E            | G   | U            | U   | U     | U   | U   | U   | -   | -   |
| Sulphurous Acid 10%         | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Sulphurous Acid 30%         | -                | -   | -            | -   | -            | -   | -     | -   | U   | U   | -   | -   |
| Tallow                      | -                | -   | -            | -   | -            | -   | -     | -   | E   | U   | -   | -   |
| Tannic Acid                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | E   | L   | U   |
| Tanning Extracts            | -                | -   | -            | -   | -            | -   | -     | -   | E   | E   | -   | -   |
| Tanning Liquors             | E                | E   | E            | E   | G            | L   | G     | L   | L   | -   | -   | -   |
| Tartaric Acid               | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | L   | U   |
| Tea (Brewed)                | E                | G   | -            | -   | -            | -   | E     | G   | G   | L   | -   | -   |
| Tetraethyl Lead             | G                | L   | G            | G   | -            | -   | -     | -   | -   | -   | G   | G   |
| Tetrahydrofurane            | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Thionyl Chloride            | U                | U   | U            | U   | U            | U   | U     | U   | U   | U   | U   | U   |
| Tin Chloride                | E                | E   | E            | E   | -            | -   | -     | -   | -   | -   | E   | E   |
| Titanium Tertachloride      | E                | U   | E            | U   | -            | -   | -     | -   | -   | -   | L   | U   |

| Material Handled              | PVC              |     | PVC/PU Blend |     | Rubber Blend |     | LLDPE |     | EVA |     | TPU |     |   |
|-------------------------------|------------------|-----|--------------|-----|--------------|-----|-------|-----|-----|-----|-----|-----|---|
|                               | Temperature (°F) |     |              |     |              |     |       |     |     |     |     |     |   |
|                               | 70               | 150 | 70           | 125 | 70           | 150 | 70    | 150 | 70  | 150 | 70  | 150 |   |
| Titanium Trichloride          | -                | -   | -            | -   | -            | -   | -     | -   | -   | U   | U   | -   | - |
| Toluol or Toluene             | U                | U   | L            | U   | U            | U   | E     | G   | U   | U   | L   | U   |   |
| Tomato Juice                  | E                | E   | -            | -   | -            | -   | G     | L   | L   | U   | -   | -   |   |
| Transformer Oil               | -                | -   | -            | -   | -            | -   | -     | -   | -   | U   | U   | -   | - |
| Transmission Fluid            | E                | L   | E            | L   | -            | -   | -     | -   | -   | -   | E   | E   |   |
| Tributyl Phosphate            | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | -   |   |
| Trichlorobenzene              | U                | U   | U            | U   | -            | -   | -     | -   | U   | U   | -   | -   |   |
| Trichloroethylene             | U                | U   | L            | U   | U            | U   | G     | L   | U   | U   | L   | U   |   |
| Tricresyl Phosphate           | U                | U   | U            | U   | L            | L   | L     | L   | U   | U   | U   | U   |   |
| Triethanolamine               | L                | U   | G            | U   | G            | L   | G     | L   | L   | -   | -   | -   |   |
| Triethylamine                 | G                | L   | G            | L   | -            | -   | -     | -   | -   | -   | -   | -   |   |
| Trimethyl Propane             | L                | U   | L            | U   | -            | -   | -     | -   | -   | -   | -   | -   |   |
| Trisodium Phosphate           | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Turpentine                    | L                | U   | G            | L   | L            | U   | G     | L   | U   | -   | E   | G   |   |
| Urea                          | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Urine                         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Varnish                       | U                | U   | U            | U   | G            | L   | G     | L   | U   | U   | E   | G   |   |
| Varsol                        | -                | -   | -            | -   | -            | -   | E     | G   | -   | -   | -   | -   |   |
| Vegetable Oils                | G                | L   | G            | L   | -            | -   | -     | -   | U   | U   | -   | -   |   |
| Vinegar                       | E                | E   | -            | -   | E            | G   | E     | G   | E   | -   | G   | L   |   |
| Vinyl Acetate                 | U                | U   | U            | U   | L            | U   | L     | U   | U   | U   | U   | U   |   |
| Vinyl Chloride                | U                | U   | U            | U   | -            | -   | -     | -   | -   | -   | -   | -   |   |
| Water-Acid Mine Water         | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | U   |   |
| Water-Distilled               | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | U   |   |
| Water-Fresh                   | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | U   |   |
| Water-Salt                    | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | G   | U   |   |
| Whey                          | E                | G   | -            | -   | -            | -   | G     | L   | G   | L   | -   | -   |   |
| Whiskey                       | L                | U   | -            | -   | -            | -   | E     | L   | -   | -   | -   | -   |   |
| White Gasoline                | E                | E   | E            | E   | U            | U   | U     | U   | U   | U   | E   | G   |   |
| White Liquor (Paper industry) | E                | E   | E            | E   | -            | -   | -     | -   | -   | -   | -   | -   |   |
| Wines                         | G                | L   | -            | -   | -            | -   | E     | E   | -   | -   | -   | -   |   |
| Xylene or Xylol               | U                | U   | L            | U   | U            | U   | G     | L   | U   | U   | G   | L   |   |
| Zinc Chloride                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Zinc Chromate                 | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Zinc Cyanide                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Zinc Nitrate                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |
| Zinc Sulfate                  | E                | E   | E            | E   | E            | E   | E     | E   | E   | -   | E   | E   |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mixtures of Acids:                            |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Nitric 15%, Hydrofluoric 4%                   | E | G | E | G | - | - | - | - | - | - | U | U |  |
| Sodium Dichromate 13%, Nitric Acid 16%, Water | E | G | E | G | E | E | E | E | E | E | E | L |  |

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