New Tubing Products
By Kuriyama
K05BK Series

UV Resistant Black PVC Tubing

General Applications:
- Drainage lines
- Outdoor applications
- Printing press equipment
- Transfer of weak chemicals and acids

Construction: Black phthalate free PVC compound formulated with ingredients in compliance with applicable FDA(03) and RoHS(16) requirements.

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

Features and Advantages:
- Advanced UV Protection! – Tubing material is specially formulated to resist the cracking that can result for exposure to damaging UV light. Great for outdoor applications.
- Food Grade Materials – Tubing complies with applicable FDA requirements.
- Glass-smooth Interior – Reduces possibility of material buildup and ensures smooth material flow.
- Self-Extinguishing – Tubing will not continue to burn after separation from flame source.

Nominal Specifications

<table>
<thead>
<tr>
<th>Series</th>
<th>Size Code</th>
<th>Nominal ID (in)</th>
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<th>Nominal OD (in)</th>
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<th>Standard Lengths Coils (ft.)</th>
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<tbody>
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<td>35</td>
<td>50</td>
<td>37.5</td>
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† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: For details of the following compliances, refer to page 63 of the Kuri Tec catalog.

FDA(03), Phthalate Free(15), RoHS(16)

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.
2840 Series
98 Shore “A” Ether-Based Heavy Duty Polyurethane Tubing

General Applications:
- Abrasive slurry transfer
- Feed and return lines
- Granular transfer lines
- Lubrication lines
- Metering pumps
- Robotics control lines
- Transfer of air and fluids under severe conditions

Construction: Clear 98 Shore “A” Durometer ether based polyurethane tubing formulated with ingredients in compliance with applicable FDA(03) requirements. Meets NSF(09) and RoHS(16) criteria.

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

Features and Advantages:
- **Abrasion Resistant Polyurethane** – Resistant to cuts, and damage from abrasion such as dragging or rubbing against rough objects. Tubing is up to three times more wear resistant than similar PVC tubing.
- **Food Grade Materials** – Tubing complies with applicable FDA, NSF 51 and NSF 61 requirements.
- **Oil Resistant** – Remains flexible when exposed to most fuels and oils. Meets ARPM Class A rating (high oil resistance).
- **Hydrolysis Resistant** – Ether based material good for water applications.
- **Low Moisture Absorption Rate** – Helps eliminate cross contamination of the transferred materials, and instances of swelling which can shorten tubing life.
- **High Cycle Strength** – Designed to resist damage resulting from constant flex applications.

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<td>500</td>
<td>100</td>
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</table>

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Note: When exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing which is RoHS(16) compliant — call for details.

Note: For details of the following compliances, refer to page 63 of the Kuri Tec catalog.

**FDA(03), NSF(09), Phthalate Free(15), RoHS(16)**

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# 420N Series

## Nylon 12 Tubing

### General Applications:
- Chemical transfer
- Lubrication and coolant transfer
- Paint supply lines
- Pneumatic and instrumentation lines
- Pneumatic tools

### Construction:
Nylon 12 – natural color. In compliance with RoHS\(^\text{16}\) criteria.

### Service Temperature Range:
-60°F (-51°C) to +200°F (+93°C)\(^*\)

### Features and Advantages:
- **Strong and Lightweight** – Nylon construction provides high strength in a lightweight product.
- **Excellent Chemical Resistance** – Compatible with many industrial chemicals and solvents.
- **High Heat Resistance** – Heat resistant up to +200°F.
- **Low Moisture Absorption Rate** – Helps eliminate cross contamination of the transferred materials, and instances of swelling which can shorten tubing life.
- **Resistant to Environmental Stress Cracking (ESC)** – Highly resistant to the surface cracking caused by simultaneous exposure to stress and liquids.

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</table>

- \(\text{MM}\) Series

\(\text{Tubing}^\text{†}\) Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

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**Phthalate Free**\(^{15}\), **RoHS**\(^{16}\)

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620P Series
Polytetrafluoroethylene (PTFE) Tubing

General Applications:
• Aerospace and aviation applications
• Chemical transfer
• Industrial and mechanical applications
• Medical applications

Construction: PTFE – natural color. Formulated with ingredients in compliance with applicable FDA\(^{(03)}\) requirements. Meets USP Class VI\(^{(19)}\) and RoHS\(^{(16)}\) criteria.

Service Temperature Range:
\(-454°F (-270°C)\) to \(+500°F (+260°C)\)\(^{†}\)

Features and Advantages:
• Superior Chemical Resistance – Chemical resistant PTFE compatible with an extremely wide range of industrial chemicals and solvents.
• Handles Extreme Temperatures – Service temperature range from \(-454°F\) to \(+500°F\). Widest temperature range of any Kuri Tec product!
• Food Grade Materials – Tubing complies with applicable FDA and USP Class VI requirements.
• Chemically Inert – Will not react with most substances.

• Meets ASTM-D3295 – Physical properties compliant with ASTM requirements for PTFE tubing.

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<td>.063</td>
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