

# Tubing Solutions for Automation, Robots & Packaging Equipment



Parflex tubing is used in a wide range of packaging applications because of its flexibility, strength and light weight design. It is available in high temperature designs for applications where adhesives or heated elements are present. Color coding, easy routing, easy handling and the ability to use with push to connect fittings are all features that make Parflex tubing viable for our customers.

For automation and assembly lines, Parflex offers extra flexible designs that turn sharp corners without kinking or bending and for high pressure pneumatic applications, high tensile strength semi-rigid Nylon tubing is available.

Highlighted in this brochure are the most common packaging tubing products.



For food and beverage packaging, many of these products are NSF-51, NSF-61 and FDA compliant.

## Contact Information:

Parker Hannifin Corporation  
**Parflex Division**  
1300 North Freedom St.  
Ravenna, OH 44266

**phone 330 296 2871**  
**fax 330 296 8433**

[www.parker.com/parflex](http://www.parker.com/parflex)

## Product Features:

- Excellent flexibility
- Color coding options
- Light Weight
- Grease and Oil Resistant
- Silicone and Halogen free
- Use with Parker PrestoWeld or PLM Fittings



**ENGINEERING YOUR SUCCESS.**

# Tubing For **Typical** Packaging Applications

Typical Applications	Material	Features*	Temperature Range
<ul style="list-style-type: none"> <li>• Low / High Pressure Pneumatics</li> <li>• Robotics</li> <li>• Pneumatic Controls</li> <li>• Vacuum Equipment</li> <li>• Process Lines</li> </ul>	<ul style="list-style-type: none"> <li>• Polyurethane</li> </ul>	<ul style="list-style-type: none"> <li>• Best flexibility</li> <li>• Best abrasion resistance</li> <li>• Largest color selection</li> </ul>	<ul style="list-style-type: none"> <li>• 180°F (82°C)</li> </ul>
<ul style="list-style-type: none"> <li>• Low Pressure Pneumatics</li> <li>• Pneumatic Controls</li> </ul>	<ul style="list-style-type: none"> <li>• Polyethylene</li> </ul>	<ul style="list-style-type: none"> <li>• Best stress crack resistance</li> </ul>	<ul style="list-style-type: none"> <li>• 150°F (66°C)</li> </ul>
<ul style="list-style-type: none"> <li>• High Pressure Pneumatics</li> <li>• Robotics</li> <li>• Lubrication</li> <li>• Process Lines</li> </ul>	<ul style="list-style-type: none"> <li>• Nylon</li> </ul>	<ul style="list-style-type: none"> <li>• Largest size range</li> <li>• Good flexibility</li> <li>• Highest Operating Temperature</li> </ul>	<ul style="list-style-type: none"> <li>• 200°F (93°C)</li> </ul>



## Push-to-Connect Fittings



**Prestolok PLM Metal  
Nickel-Plated Brass**



**Prestolok PLS  
Stainless Steel**



**Prestolok PLP Composite  
Glass-Reinforced Nylon**



**Prestolok PLP Metal  
Nickel-Plated Brass**



## Tubing For **Specialty** Packaging Applications

Typical Applications	Material	Features*	Temperature Range
<ul style="list-style-type: none"> <li>• Adhesives</li> <li>• Label Machines</li> </ul>	<ul style="list-style-type: none"> <li>• Fluoropolymer</li> </ul>	<ul style="list-style-type: none"> <li>• Lowest coefficient of friction</li> <li>• Highest temperature range</li> <li>• Unmatched chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>• 500°F (260°C)</li> </ul>
<ul style="list-style-type: none"> <li>• Robotic Arms</li> <li>• Tight Routing Applications</li> <li>• Protective Cover Tube Bundling</li> </ul>	<ul style="list-style-type: none"> <li>• Convoluted</li> <li>• Corrugated</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent flex life</li> <li>• Can turn sharp corners without kinking</li> <li>• Low coefficient of friction</li> <li>• Chemically inert</li> </ul>	<ul style="list-style-type: none"> <li>• 200°F - 500°F**</li> <li>• (93°C - 260°C)**</li> </ul>
<ul style="list-style-type: none"> <li>• Blow Guns</li> <li>• Manufacturing Air Drops</li> <li>• Water Hose</li> </ul>	<ul style="list-style-type: none"> <li>• Air Hose</li> </ul>	<ul style="list-style-type: none"> <li>• Abrasion resistant</li> <li>• Excellent flexibility and memory characteristics</li> <li>• Durable</li> </ul>	<ul style="list-style-type: none"> <li>• 180°F (82°C)</li> </ul>



Parker fittings available from:  
Fluid System Connectors  
Division, Otsego, MI  
(269) 692-6555

FSC Product Family:

- Prestolok  
PLM, PLS, PLP

\*Feature comparisons for Fluoropolymer, Convoluted and Corrugated are applicable to all tubing

\*\* Dependent on material

