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 and are 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.

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

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

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

Product Features:

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

Parker

ENGINEERING YOUR SUCCESS.

Tubing For Typical Packaging Applications

Typical Applications	Material	Features*	Temperature Range
• Low / High Pressure Pneumatics • Robotics • Pneumatic Controls • Vacuum Equipment • Process Lines	Polyurethane	▪ Best flexibility ▪ Best abrasion resistance ▪ Largest color selection	180°F (82°C)
• Low Pressure Pneumatics • Pneumatic Controls	Polyethylene	▪ Best stress crack resistance	150°F (66°C)
• High Pressure Pneumatics • Robotics • Lubrication • Process Lines	Nylon	▪ Largest size range ▪ Good flexibility ▪ Highest Operating Temperature	200°F (93°C)

*Feature comparisons are only applicable to the materials highlighted in this table.

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
▪ Adhesives ▪ Label Machines	Fluoropolymer	▪ Lowest coefficient of friction ▪ Highest temperature range ▪ Unmatched chemical resistance	500°F (260°C)
▪ Robotic Arms ▪ Tight Routing Applications ▪ Protective Cover Tube Bundling	Convoluted Corrugated	▪ Excellent flex life ▪ Can turn sharp corners without kinking ▪ Low coefficient of friction ▪ Chemically inert	200°F - 500°F** (93°C - 260°C)**
▪ Blow Guns ▪ Manufacturing Air Drops ▪ Water Hose	Air Hose	▪ Abrasion resistant ▪ Excellent flexibility and memory characteristics ▪ Durable	180°F (82°C)

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

** Dependent on material

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

FSC Product Family:

- Prestolok
  PLM, PLS, PLP