

Material Property Overview

Thermoplastic Quick Reference

PE (Polyethylene)

Working Temperature: 150°F (66°C)

Series E/EB

- Chemical resistant
- Economical system solution
- FDA/NSF Compliant
- Resistant to environmental stress cracking

Series PEFR

- Flame resistant
- High strength & excellent flexibility
- Resistant to environmental stress cracking

Series HDPE

- Chemical resistant
- Economical system solution
- Improved burst pressure rating than LLDPE resin
- Working Temperature 175°F (80°C)

Nylon

Working Temperature: 200°F (93°C)

Series N/NB

- Abrasion resistant
- Flexible
- Heat and light stabilized
- Low moisture absorption
- Chemical resistant

Series PAT

- Chemical resistant
- UV light resistant
- Low moisture absorption
- High tensile strength

Series NR/NBR

- Unplasticized nylon for higher pressure tubing applications
- Chemical resistant
- Low moisture absorption
- High tensile strength

PP (Polypropylene)

Working Temperature: 200°F (93°C)

Series PP/PPB

- Acid & chemical resistant
- Low moisture absorption (less than .01%)
- Resistant to environmental stress cracking
- Higher working pressures/temperatures than PE tubing

PU (Polyurethane)

Working Temperature: 180°F (82°C)

Series 95U/95UM

- 95 Shore A durometer
- Excellent abrasion and kink resistance
- Excellent moisture resistance
- UV resistant
- Exhibits the elongation and recovery characteristics of rubber and the chemical resistance of a thermoplastic

Series 95FR

- 95 Shore A durometer
- Weld spatter resistant
- Flame & weld spatter resistant
- Silicone and halogen free
- Excellent flexibility
- Working Temperature 165°F (75°C)

PVC (Polyvinyl Chloride)

Working Temperature: 150°F (65°C)

Series PV

- Excellent clarity and purity
- Excellent flexibility
- 70 durometer
- Easy bending without tubing collapse

A Hose

Tubing

Coiled Air Hose
& Fittings

Transportation

Fittings

Tooling,
Equipment
& Accessories

General
Technical