Parflex Thermoplastic Tubing Tutorial

- Review the general attributes of our thermoplastic tubing that follows- this provides an excellent overview for all of thermoplastic tubing in our product line
- Review the symbols pages- this will help clear up any questions you may have on the product tables within this section
- The market/applications table identifies and provides a "good fit" summary
- Review the pressure bar graph provided- this shows relative pressure ratings for the entire line of thermoplastic tubing
- Review the **STAMPED guide** (Size, Temperature, Media, Application, Pressure, End Configuration, and Delivered Preferences) **on page 173** to help narrow your search for the desired product
- Specific nomenclature, features, advantages, and benefits can be found at the beginning page of each product line

- All Plastic tubing dimensions are laser monitored to ensure an overall quality product
- Most Tubing sizes are packaged in convenient 100 ft., 250 ft., 500 ft. and 1,000 ft lengths

Polyethylene Tubing

- Parflex polyethylene tubing meets FDA, NSF Standard 51 for all food contact applications and NSF-61 for potable water applications
- Our E-Series tubing is made of 100% virgin resin material
- Polyethylene tubing meets ASTM D-1693 for stress crack resistance
- We also offer special PE tubing: FRPE (flame retardant & plenum rated) as well as HDPE (high density)

Nylon Tubing

- Flexible Nylon tubing use high grade resins for strength and flexibility for routing in tight spaces
- Semirigid high strength Nylon use high grade resins without the addition of plasticizers for higher pressure tubing applications
- Pure Air Tubing (PAT) is the tubing choice for pure air systems (Semiconductor) due to its cleanliness in addition to excellent chemical and UV light resistance

Polypropylene

- Polypropylene tubing meets FDA, NSF Standard 51 for all food contact applications
- Polypropylene tubing exhibits excellent chemical resistance to chlorinated water applications
- Polypropylene tubing is commonly used in outdoor applications where UV light stabilization is required

Polyurethane

- Polyurethane tubing is a flexible, kink resistant and abrasion resistant material commonly used in Pneumatic applications
- Polyurethane is available in multiple transparent and opaque colors for system color coding
- Polyurethane is available in the following durometers (measurement of material hardness):
  - Low Durometer (85-most flexible, very soft)
  - Medium Durometer (90-less flexible)
  - High Durometer (→95-least flexible, highest pressures)

Polyvinyl Chloride (PVC)

- PVC tubing is made from 100% virgin resin material and Meets all FDA specifications for materials in contact with food and drugs
- PVC tubing is very flexible (70 Durometer) tubing that is crystal clear and is Ideal for situations where visible fluid flow is necessary (i.e. sight gages for tank identification)