



PTFE Hoses Tutorial

- Familiarize yourself with the definition and operating characteristics of PTFE hose- general, features, advantages, and benefits follow
- The **STAMPED** guide on **page 131** is provided as your template for the gathering of information to help you in selecting a hose
- Review the information pertaining to static dissipation (electrical dissipation) - it may be pertinent to your application
- Review the **symbols on page ii** and **nomenclature information on page 132** - this will clear up any questions on assemblies and component call outs- examples are provided
- PTFE hose are often used for the conveyance of chemicals -please refer to our general chemical compatibility guide in the technical section guide- feel free to contact our technical department if you have concerns
- A visual index of PTFE fittings follows the hose portion of this section- this will help you quickly determine what configurations are available

PTFE Fittings visual index starts on page 140.

NOTE: If higher or lower temperature requirements are required please refer to our **Metal Hose Catalog 4660-MH1**

Tubing made of PTFE and other fluoropolymer materials may be found in. **Atlantic Tubing Catalog 4150**

What is PTFE and why is it a superior hose core material?

PTFE (Polytetrafluoroethylene) is a high-performance fluoroplastic with high crystallinity and high molecular weight. Discovered in 1938 by DuPont chemist, Dr. Roy J. Plunkett. PTFE is more commonly known as Teflon®, the DuPont trade name for PTFE. Parflex PTFE hose provides fluid conveyance solutions for a wide array of markets and applications because of the unique properties of PTFE:

Chemical Resistance – inert to virtually all chemicals

Extreme Temperature Ranges – 65F to 500F

Low friction – Minimizes pressure drop and deposits on hose.

Non-Stick - Easier to clean

Flexible – convoluted designs have excellent bend radius properties

Resists Moisture

Unlimited Shelf Life