

# PTFE TUBING

The Gold Standard for Many Advanced Applications



## Most Lubricious, Broadest Working Temperature of Any Fluoropolymer

**Zeus** offers a wide range of standard size products and precision custom PTFE tubing. PTFE extrusions have become the gold standard in industries requiring the ultimate in lubricity, high temperature use, chemical resistance, biocompatibility, and precision extruded tolerances.

The unique properties of PTFE have made it the polymer of choice for many advanced applications. With the lowest coefficient of friction of any polymer and an extremely broad working temperature range, PTFE has been designed for use in products such as advanced medical devices and high temperature industrial equipment. Because of its unparalleled chemical resistance and extreme chemical inertness, PTFE has become an ideal polymer for the chemical and analytical sciences industries.

### Key Properties:

- Very lubricious – lowest coefficient of friction of any polymer
- Working temperature range from 500°F (260°C) to -454°F (-270°C)
- Chemically resistant (*all common solvents, acids and bases*)

### Extruded Forms:

- Tubing
- Sub-Lite-Wall® tubing (ultra-thin walls)
- Special profiles
- Heat shrink
- Monofilament
- Multi-lumen

### Zeus PTFE Capabilities:

- Etching available for bonding
- Ultra-tight tolerances

### Fillers Available:

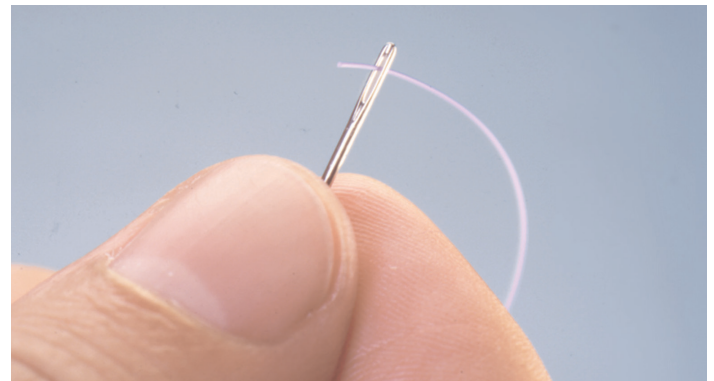
- Radio-opaque (*Bismuth and Barium*)
- Glass
- Carbon
- Pigment
- More available upon request

### Key Performance Attributes:

- PTFE heat shrink is a highly protective, shrink-to-fit shield against abrasion, extreme temperatures, high pressure, and dielectric interference.

### Other Properties:

- Chemically inert
- Low extractable
- Excellent dielectric insulation properties
- Flame resistant: UL 94 VO
- Easy to clean



**Zeus PTFE Tubing**

Zeus is the world's leading polymer extrusion manufacturer and material science innovator. Almost 50 years of experience in medical, aerospace, energy exploration, automotive, fiber optics and additional industries allows us to leap past *can't* and move directly into *how*.

Headquartered in Orangeburg, South Carolina, Zeus employs approximately 1,200 people worldwide and operates multiple facilities in North America and internationally.

Contact our technical team today to discuss how we can help.

[support@zeusinc.com](mailto:support@zeusinc.com)



**Americas** +1.803.268.9500 | **Toll-Free** 800.526.3842  
**Europe** +353 (0)74 9109700 | **Asia** +86 13922204986

**Email** [support@zeusinc.com](mailto:support@zeusinc.com)

[www.zeusinc.com](http://www.zeusinc.com)