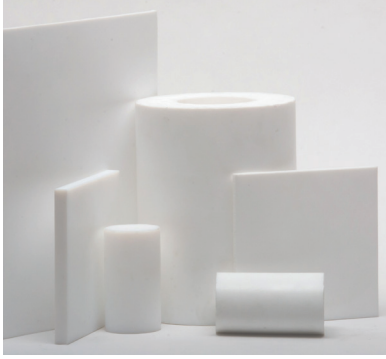
PTFE Shapes & Components

TEXOLON® PTFE Rods, Cylinders and Sheets



In our relationships with our customers, our top priorities are to understand their requirements and to use our PTFE expertise to provide creative ideas and effective solutions. Our PTFE products are found in most industries including semiconductor, chemical processing, food, medical, energy and aerospace.

PTFE PROPERTIES

The benefits of PTFE include chemical resistance, thermal stability, cryogenic properties, low coefficient of friction, high surface resistivity, flame resistance and low dielectric constant.

SKIVED SHEET AND FILM

- Available .001" - .375" thick and in widths up to 60"
- Continuous rolls or cut to your desired length
- Slit rolls, strips or stock sizes available

MOLDED SHEET

- Available .063" - 8" thick
- Standard sheet sizes include:
  24" x 24", 36" x 36" & 48" x 48"
- Special cut sizes available customized to your specification

CYLINDERS AND RODS

- Molded rod and tube 1" to 62" diameter with virtually unlimited tooling combinations to produce the nearest net size to meet any finished size requirement

CUSTOMIZED SOLUTIONS

Customized PTFE solutions including machining is available for the individualized needs of each customer.

SURFACE MODIFICATION

All of our PTFE sheets, rods, tubes, gaskets and machined parts can be chemically etched on one or multiple surfaces for adhesive bonding.

MATERIAL SELECTION

All of our products are available in a variety of PTFE formulations including customized fillers and reinforcements to suit individual applications.
Some of our standard formulations include:

- Style 8764 - Premium Virgin PTFE
- Style 8765 - Virgin PTFE
- Style 9405 - Premium 25% Glass Filled
- Style 9406 - General Purpose 25% Glass Filled
- Style 8595 - Mechanical Grade PTFE
- Style 8790 - Modified PTFE
- Style THP - High Purity for critically clean applications

STANDARD FILLER FEATURES

Glass Fiber	• Increases compressive strength, rigidity and wear • Reduces creep and cold flow • Minimal effect on chemical and electrical properties
Carbon	• Increases compressive strength, hardness, wear, and load properties • Good chemical resistance • Various types and amounts of carbon can be added to alter conductivity
Graphite	• Reduces coefficient of friction • Reduces initial wear • Increases strength
Molybdenum Disulfide	• Increases hardness, stiffness, and wear • Minimal effect on chemical and electrical properties
Bronze	• Increases hardness and wear resistance • Increases dimensional stability and compressive strength • Not suitable for corrosive or electrical applications
Pigments	• Identification, visibility or branding

TECHNETICS PTFE & POLYMER SOLUTIONS
EnPro Industries companies

10633 W Little York, Bldg 3, Suite 300
Houston, TX 77041 USA

Phone: 713-983-4201
Fax: 713-466-3721

ptfe@technetics.com
techneticsptfe.com

Technetics GROUP
EnPro Industries companies