



Fluoro-Plastics, Inc.

Philadelphia and Easton, Pennsylvania, USA

Granular PTFE shapes for industry's most demanding applications

Granular PTFE (polytetrafluoroethylene) is the toughest fluoropolymer for industry's most demanding applications. It is the only material that is inert to caustics and acids; it is FDA compliant and has a breakdown voltage of 500 v/mil of thickness (Fluoro-Plastics has made PTFE film to withstand over 1,000 volts per mil). The operating temperature of PTFE is from minus 350°F to 500°F (176°C to 260°C).

Other plastics have their niches, but where conditions are extreme, PTFE is the material of choice. Fluoro-Plastics manufactures all of the basic shapes:

- Plate from 1/2" thick to over 6" thick, and from 12" square to over 48" square.
- Skived sheet from .020" thick up to .250" thick, in giant rolls up to 60" wide.
- Thin film from 1 mil thick up to 20 mils thick, and to 60" wide.
- Rod and tube from 1/8" diameter up to 2-1/4" diameter.
- Profiles and guiderails, u channels, snap-ons for food processing, pharmaceu-

tical or other moving product applications.

- Molded cylinders (both rod and tube) up to 7" in diameter.

• Reinforced PTFE — with fillers of glass fiber, carbon, mineral fill, glass and molybdenum disulfide, graphite, bronze, stainless steel, in varying percentages to increase hardness, reduce abrasion and wear, reduce static or dissipate heat.

• Machining services — gaskets and stamped parts, machined parts, rings, seals and spacers. All skived film and sheet can be slit to width and rewound to length.

• Porous PTFE for aerospace gasketing in a wide variety of thicknesses, which can be etched for bonding.

• All material can be etched on one or both sides for bonding to various substrates.

All Fluoro-Plastics fluoropolymer products are manufactured in the United States, either in our compression molding facility in Philadelphia, or at our extrusion facility in Easton, PA, so all products meet special vendor requirements for local origin.

Fluoro-Plastics is certified to the ISO 9001:2008 quality standard; full traceability is available for ultimate quality control. All products are made to ASTM, AMS or applicable military and aerospace specifications where required.

Fluoro-Plastics is a DuPont licensee, so products can be made with certified DuPont Teflon® resin.

Incorporated in 1951, Fluoro-Plastics possesses unparalleled technical expertise and customer service skills. Over 58 years of experience making granular PTFE has generated a comprehensive working knowledge of precisely how to process the material, both reinforced and virgin, for optimum physical properties to meet demanding customer requirements. Look to us for reinforced PTFE products in large dimensions made to precise tolerances.

For more information, contact Fluoro-Plastics, 3601 G Street, Philadelphia, PA 19134 USA; (800) 292-1910, (215) 425-5500, fax (215) 425-5521, e-mail: customerservice@fluoro-plastics.com, www.fluoro-plastics.com, www.fluoropolymerproducts.com.

1-800-262-1910 • www.Fluoro-Plastics.com



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