



PTFE Polytetrafluoroethylene



Gonow PTFE Teflon can be used in a variety of applications having a combination of mechanical, electrical, chemical, temperature and anti-friction properties that are unmatched. PTFE has a very high melting point and is capable of continued service at 500°F (260°C). It is the most chemically resistant plastic available and only a few chemicals react with it.

PTFE mechanical properties are low compared to other engineering plastics, but its integrity is maintained over a wide temperature range - from -400 to 500°F (-240 to 260°C).

Mechanical properties can be improved by the addition of fillers such as glass fiber, carbon, graphite, molybdenum disulfide and bronze.

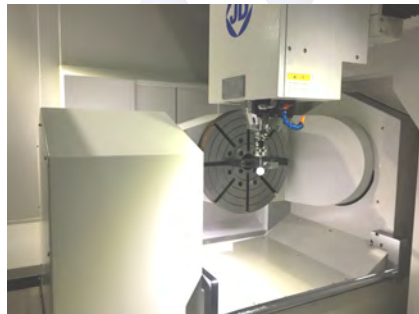
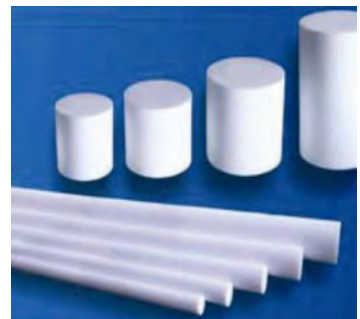
PTFE has excellent thermal and electrical insulation properties along with a low coefficient of friction. It is difficult to bond to PTFE.

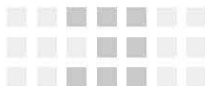
GONOW PTFE ATTRIBUTES

- High chemical resistance
- Low and high temperature capability
- Resistance to weathering
- Low friction
- Electrical and thermal insulation
- Anti- stick surface.

TYPICAL INDUSTRIES

- Gaskets
- Packing materials
- exposed to chemicals
- Bearings
- Seals
- Piston rings
- Electrical insulation





GONOW PTFE

Property	Test Method	Units	Gonow PTFE
Physical Specific Gravity Water Absorption	ASTM D-792 ASTM D-570	g/cm ³ %	2.19 0.010
Mechanical Shore Hardness Bending Modulus	ASTM D-2240 ASTM D-790	Mpa	58 186
Thermal Max. Continuous Use Temp. Melting Point Flammability	ASTM D-794 UL 94	°C °C	260 342 V-0
Electrical Surface Resistivity Volume Resistivity Dielectric Constant Dissipation Factor Arc Resistance	ASTM D-257 ASTM D-257 ASTM D-150 ASTM D-150 ASTM D-495	Ohms Ohm.cm sec	1.0E+18 1.0E+18 2.1 0.00010 300
Miscellaneous Oxygen Index	ASTM D-2863	%	95

Jiangsu Gonow Precision Technology Co., Ltd. is dedicated to supplying our customers with the highest quality thermoplastic stock shapes for machining. We manufacture and stock a full line of thermoplastic materials in a wide variety of rod, plate and tubular bar sizes. In addition, we offer over 20 years of experience in the custom extrusion of application-specific and proprietary resins to meet even the most demanding performance requirements. Gonow Plastics offers full technical support for all products and is certified to ISO 9002 standards for the manufacture of extruded plastics stock shapes.



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