

P.T.F.E. (POLYTETRAFLUOROETHYLENE) / TEFLON

PTFE is chemically inert & unaffected by all known chemicals except molten or dissolved alkali metal -Sodium; Potassium, Cesium, Francium & Fluorine Gas, certain Fluoride Compounds & Complexes, at elevated temperatures.

PTFE is free from asbestos and other lung-intruding materials. It meets the FDA requirements, doesn't have any corrosion and is able to be stored without time limits.

PTFE can be used in virtually many types of sealing applications throughout industry including:

- * Chemical manufacturing
- * Food equipment manufacturing
- * Pharmaceutical Plants
- * Petrochemical production
- * Steel manufacturing
- * Distilling
- * Food and beverage processing
- * Pulp and Paper processing
- * Power Generation
- * Marine

Filled PTFE has inferior chemical resistance because of the presence of the particular filler.

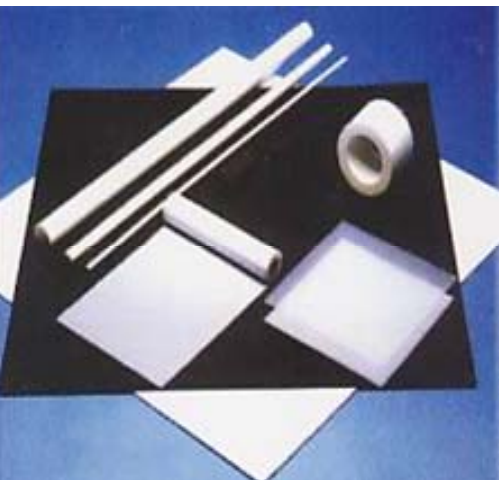
PTFE ROD, TUBE, AND SHEET



In order to meet higher technical demands on the market also available Filled PTFE, PTFE with Carbon filled (PTFE CFT) and PTFE with Glass filled (PTFE GFT).

This filled PTFE is highly recommended to be used as seal-rings, bushing, packing ring, etc.

The material is available in Rod, Tube, and Sheet.



General Properties of PTFE & Filled PTFE

TECHNICAL SPECIFICATION	PURE PTFE	PTFE GLASSFILLED	PTFE CARBONFILLED
Specific Gravity	2.14 - 2.18	2.22 - 2.25	2.08 - 2.10
Tensile Strength (kgf/cm ²)	250 - 310	130 - 150	160 - 175
Elongation (%)	280 - 380	210 - 270	80 - 110
Compressive Strength (kgf/cm ²)	40 - 50	75 - 85	75 - 85
Flexural Strength (kgf/cm ²)	57	42	96
Hardness (shore D)	50	66 - 68	71 - 75
Heat Resistance (deg C)	-200 to +220	-250 to +260	-250 to +260
Water Absorption	0	0.013	0

Ordering Information : For Tube (Hollow Type) available in 300mm length : pls advise ID size, OD size

For Rod available in 1000mm length : pls advise diameter size

For Sheet (Square Type) : pls advise thickness x L x W