



DATASHEET

P.T.F.E. 25% GLASS FIBER

75% VIRGIN PTFE + 25% GLASS FIBER

TECHNICAL DATA

Properties	Test method	Unit of measure	Value
Specific weight	ASTM D792	g/cm ³	2.25
Tensile strength	ASTM D638	Mpa	14.5
Elongation at break	ASTM D638	%	270
Shore D hardness	DIN 53 505	Sh. D	65
Deformation under load	-	%	-
Compressive strength	DIN 53 454	N/mm ²	7
Thermal conductivity	DIN 52612	W/K.m	0.43
Maximum Service Temperature, Air	Continuous Service	C°	260
FDA Certification	-	-	SI

PTFE FILLED 25% GLASS FIBER

25% Glass filled PTFE is used to improve the creep resistance of PTFE over all temperature ranges, while still allowing some compression required for sealing in both gaskets and valves. Improved wear behaviour is exhibited, while there is little effect on the electrical properties, as glass fibre is an insulator. 25% Glass has an exceptional resistance to water. Still giving excellent chemical stability, PTFE +25% GF has better thermal conductivity and coefficient of friction when combined with MoS₂ or graphite.

- High chemical resistance.
- Resistance to both low and high temperatures.
- Low flammability.
- Low friction coefficient.
- High resistance to UV.
- FDA Approved.
- Good electrical properties.

Applications:

Pump housings, valve seats, gaskets, roller coverings, shaft bearings, filter housings, etching plates, shaft seals, slide runners, chemical engineering, machine parts, transport and conveyor technology, pump and instrument construction, electrical industry, electronics, laser technology, fume purification, pure water production, cryogenics, filter technology, food and medical technology.

PTFE is an incredibly versatile material used across many industries, thanks to its stable and durable characteristics and affordability.

