

Tetron HG (PTFE)

PTFE Product Description:

TETRON HG is the trade name for high percentage glass-filled polytetrafluoroethylene (PTFE). Glass fibre is the most commonly used filler, resulting in a lowered deformation under load at both high and low temperatures. Wear behaviour is also improved.

- Avoid use with Hydrofluoric Acid (HF) and strong alkalis
- The glass fibre used is E-glass milled fibre, nominal diameter 13 microns to ensure even dispersion and optimum properties
- TETRON HG mouldings have a homogeneous and dense structure. The surface is smooth with a white to light grey appearance



PTFE Applications:

- Piston Rings
- Valve Seats
- Shaft Seals
- Electrical Insulators
- Bearing Pads

PTFE Delivery Program

Off White



PTFE Sheet

Thickness: 10 - 30 mm
Size: 610 x 610 mm



PTFE Rod

Diameters 12 - 100 mm



PTFE Tube

Outside Diameter 36 - 625 mm

Physical Properties

Specific Gravity:	g/cm ³	2.27
Continuous Operating Temperature:	°C	260
Tensile Strength:	Mpa	11.7
Impact Resistance:	Izod ASTM D296 J/mm ²	-
Hardness:	Shore D	64
Co-efficient of Thermal Expansion:	mm/(mmxK)x10 ⁻⁶	N/A
Surface Resistivity:	Ohms	N/A
Flammability Flash Point:	°C	530
Elongation:	CD %	144
Co-efficient of Friction: Test Method Polish Steel 23°C		N/A

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