

## Tetron G (PTFE)

### PTFE Product Description:

TETRON G is the trade name for glass-filled polytetrafluorethylene (PTFE). Glass fibre is the most commonly used filler, resulting in a lowered deformation under load at both high and low temperatures. Wear and friction behaviour is also improved, whilst there is little effect on electrical properties.

- 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 G 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
- Gaskets



### PTFE Delivery Program



**PTFE Sheet**  
Thickness: 3 - 50 mm  
Size: 610 x 610 mm



**PTFE Rod**  
Diameters: 12 -150 mm



**PTFE Tube**  
Outside Diameter: 36 - 625 mm



**PTFE Tape**  
Made to order  
0.25 - 4.7mm thick, 1200mm wide  
EOS also available



**Machined PTFE Parts**

### Physical Properties

Specific Gravity:	g/cm <sup>3</sup>	2.22
Continuous Operating Temperature:	°C	260
Tensile Strength:	Mpa	17
Impact Resistance:	Izod ASTM D296 J/m	173
Hardness:	Shore D	64
Co-efficient of Thermal Expansion:	mm/(mmxK)x10 <sup>-6</sup>	CD=84 MD=136
Dielectric Strength:	KV/mm	12.6
Surface Resistivity:	Ohms	>1x10 <sup>16</sup>
Flammability Flash Point:	°C	530
Elongation:	%	212
Co-efficient of Friction:	Dynamic	0.12
Test Method Polish Steel 23°C	Static	0.07

*This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Dotmar EPP PTY assumes no liability for use of information presented herein.*