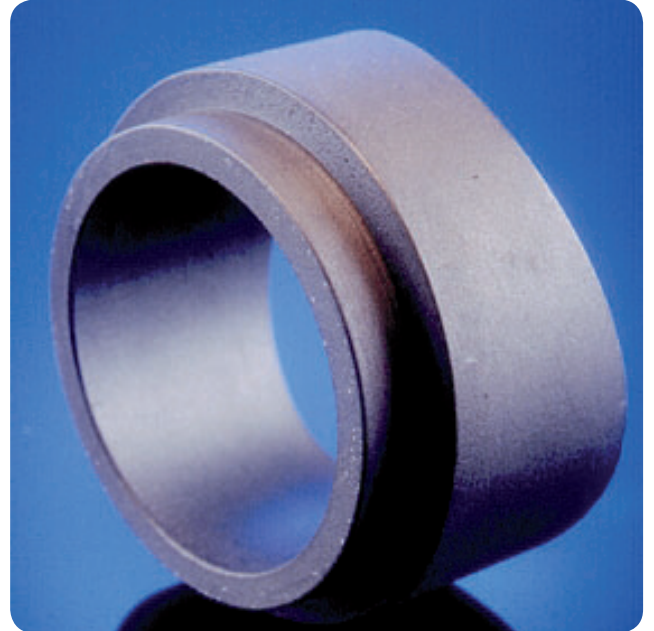


## Tetron C (PTFE)

### PTFE Product Description:

TETRON C is the trade name for carbon - filled polytetrafluorethylene (PTFE). Carbon and graphite fillers are available in several grades to match specific applications. Carbon improves creep resistance, increases the hardness and raises the thermal conductivity of PTFE. Carbon/Graphite alloys have excellent wear properties and some electrical conductivity and therefore antistatic. The range of fillers include amorphous petroleum coke and E - carbon partly graphitised coke. Carbon fillers allow for machining to close. Tolerances as tool wear is lower during the machining. The product has a deep black appearance -and gives smooth machined surfaces and will not scuff mating parts such as polished balls (ball valves).



### PTFE Applications:

- Piston Seal Wear Bands
- Sleeves
- Bearing Rings (pumps)
- Bushes
- Seal Rings (shock absorbers)
- Non lubricated piston rings

### PTFE Delivery Program



#### PTFE Sheet

Thickness: 3 - 150 mm  
Size: 610 x 610 mm



#### PTFE Rod

Diameters: 15 -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>	2.08
Continuous Operating Temperature:	°C	260
Tensile Strength:	Mpa	17.6
Impact Resistance:	Izod ASTM D296 J/m	N/A
Hardness:	Shore D	68
Co-efficient of Thermal Expansion:	mm/(mmxK)x10 <sup>-6</sup>	CD=70 MD=114
Dielectric Strength:	KV/mm	N/A
Surface Resistivity:	Ohms	1x10
Flammability Flash Point:	°C	630
Elongation:	%	238
Co-efficient of Friction:	Dynamic	0.12
Test Method Polish Steel 23°C	Static	0.09

*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.*