

Mechanical Grade PTFE Resin Sheet Gasketing

Mechanical grade PTFE resin is suitable for most applications where PTFE is used. Mechanical grade is produced with a very small percentage of reprocessed (recycled) PTFE. It is ideal for a wide range of gasketing applications. Food and Chemical applications are often sealed using PTFE. PTFE sheets are available in both Virgin, Mechanical and Expanded PTFE grades (EPTFE).

PTFE is resistant to: acids, alkalis, solvents or corrosives.

Specifications of Mechanical Grade PTFE

Property	Value
Max. Temperature	500°F
Continuous Service	-328°F
Color	White
Tensile Strength at 73° F - D638-61T	1500-2400 psi
Elongation - D638-61T	75-200%
Hardness Durometer - D1700-61	-
Water Absorption - D570-59aT	0.00%
Static Coefficient of Friction at 73°F	-
Dielectric constant (1000 cps) - D150-59T	2.26
Dielectric Strenght in Air - D257-61	450 volts/mil
Coefficient of Thermal Expansion at 73°F - D696-44	-
Coefficient of Thermal Conductivity - D177-45	-
Specific Gravity - D792-60T	2.15-2.2
Deformation - D621-59	
73°F, 1500 psi, 24hr	-
100°F, 1500 psi, 24hr	-
200°F, 1500 psi, 24hr	-
Impact Strenght, Izod - D256-56	
73°F Average	-
170°F Average	-