



PTFE Sheet & Rod - 25 % Glass Fiber Filled

Physical Properties	Metric	Imperial	Comments
Density	2.22 - 2.24	0.0802 - 0.0809	ASTM D792
Deformation:			
- @ Pressure 13.7 MPa, Time 24hrs	7.0 - 10	7.0 - 10	ASTM D621
- @ Pressure 13.7 MPa, Time 24hrs (after 24hr relax)	4.0 - 6.5	4.0 - 6.5	ASTM D621
Mechanical Properties			
Hardness Shore D	62 - 67	62 - 67	ASTM D2240
Tensile Strength	>= 13.0 MPa	>= 1890 PSI	ASTM D4745
Elongation at Break	>= 180%	>= 180%	ASTM D4745
Compressive Yield Strength @ Strain 1.00%	8.00 - 9.00 MPa	1160 - 1310 PSI	ASTM D695
Coefficient of Friction, Dynamic	0.13	0.13	ASTM D1894
K (wear) Factor	10.0 - 15.0 x 10 ⁻⁸ mm ³ /Nm	7.45 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	at PV100; ASTM D3702
Thermal Properties			
CTE, Linear	75.0 - 110 μm/m-°C	41.7 - 61.1 μin/in-°F	ASTM D696
Maximum Service Temperature, Air	260°C	500°F	-
Minimum Service Temperature, Air	-200°C	-328°F	-

