



## PTFE 25% Glass Filled™

Compression Molded

PTFE 25% Glass Filled exhibits low wear and creep under load. Glass Fibers can be added in various amounts (5% to 40%) depending upon the application. 25% is the most popular glass fill percentage used for most applicaitons.

<i>Physical Properties</i>	<i>ASTM Method</i>	<i>Typical Values</i>
Specific Gravity	D792	2.22 gr/cm <sup>3</sup>
Water Absorption (24hrs. @73.4°F)	D570	.015 %
Color	N/A	White

<i>Mechanical Properties</i>		
Tensile Strength	D1708	3100 psi
Tensile Elongation	D1708	250 %
Flexural Strength	D790	2,200
Flexural Modulus	D790	210,00
Compressive Strength	D695	2200 psi
Compressive Modulus	D695	100,000 psi
Impact Strength (Izod, notched)	D256	
Hardness	Shore D	59

<i>Tribological Properties</i>		
Coefficient of Friction		
Static	D3702	.08
Dynamic	D3702	0.13
Wear Rate (PV: 20,000 psi-fpm)	D3702	

<i>Thermal Properties</i>		
Coefficient of Linear Thermal Expansion (78 to 400°F)	D696	71 10 <sup>-6</sup> /°F
Heat Deflection Temperature (@264 psi)	D648	
Glass Transition Temperature (Tg)	D3418	
Continuous Service Temperature (Max @ no load)		500 °F
Melting Point		621 °F

<i>Electrical Properties</i>		
Volume Resistivity	D257	
Dielectric Strength	D149	
Dielectric Constant	D150	