

# MATERIAL DATA SHEET

## 05-003

05-003 is a compression molded glass and molybdenum disulphide filled PTFE material that is resistant to most chemicals. Suitable for use in piston rings, rider rings, and rod rings.

Properties	Value		ASTM Method
<b>Tensile Strength</b>	2000 psi	13.8 MPa	D638
<b>Elongation</b>	280%		D638
<b>CTE - Radial</b>	$4.4 \times 10^{-5}/^{\circ}\text{F}$	$8.0 \times 10^{-5}/^{\circ}\text{C}$	E831-03
<b>CTE - Axial</b>	$8.9 \times 10^{-5}/^{\circ}\text{F}$	$16.0 \times 10^{-5}/^{\circ}\text{C}$	E831-03
<b>Density</b>	0.082 lb/in <sup>3</sup>	2.3 g/cm <sup>3</sup>	D792