

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