

MATERIAL DATA SHEET

05-169

05-169 is a proprietary polymer alloy developed for use in non-lubricated, dry gas applications. The unique self-lubricating properties of this material also provide excellent wear resistance in very wet gas environments. Suitable for use in piston & rider rings, rod rings, and bushings.

| Properties | Value | | ASTM Method |
|-------------------------|---------------------------------------|--|-------------|
| Tensile Strength | 2500 psi | 17.2 MPa | D638 |
| Elongation | 150% | | D638 |
| CTE - Radial | $4.0 \times 10^{-5}/^{\circ}\text{F}$ | $7.2 \times 10^{-5}/^{\circ}\text{C}$ | D696 |
| CTE - Axial | $5.9 \times 10^{-5}/^{\circ}\text{F}$ | $10.6 \times 10^{-5}/^{\circ}\text{C}$ | D696 |
| Specific Gravity | 2.2 | | D792 |