

# MATERIAL DATA SHEET

## 05-185

05-185 is a proprietary polymer alloy developed for use in non-lubricated, dry gas applications, including “bone-dry” gases. 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
<b>Tensile Strength</b>	1,600 psi	11.0 MPa	D638
<b>Elongation</b>	5.0%		D638
<b>CTE</b>	$5.0 \times 10^{-5}/^{\circ}\text{F}$	$9.0 \times 10^{-5}/^{\circ}\text{C}$	D696
<b>Specific Gravity</b>	1.8		D792
<b>Hardness</b>	65 Shore D		D2240