

MATERIAL DATA SHEET

05-173

05-173 is a proprietary polymer alloy developed for use in non-lubricated, dry nitrogen compressors. The unique self-lubricating properties of this material also provide exceptional wear resistance in this demanding application. Suitable for use in piston & rider rings, rod rings, and bushings.

Properties	Value		ASTM Method
Tensile Strength	1,500 psi	10.3 MPa	D638
Elongation	5.0%		D638
CTE	$4.6 \times 10^{-5}/^{\circ}\text{F}$	$8.3 \times 10^{-5}/^{\circ}\text{C}$	D696
Specific Gravity	2.0		D792
Hardness	65 Shore D		D2240