

MATERIAL DATA SHEET

05-036

05-036 is a filled polyimide developed for extreme service applications. Parts are hot compression molded, then machined to size. Resistant to most chemicals except for steam and ammonia. Suitable for use in piston & rider rings, rod rings, and bushings.

Properties	Value		ASTM Method
Tensile Strength	9,500 psi	65.5 MPa	D638
Flexural Strength	16,500 psi	114 MPa	D790
Shear Strength	11,200 psi	77.2 MPa	D732
CTE	$2.7 \times 10^{-5}/^{\circ}\text{F}$	$4.9 \times 10^{-5}/^{\circ}\text{C}$	D696
Density	0.054 lb/in ³	1.5 g/cm ³	D792
Thermal Conductivity	.50 BTU/hr-ft-°F	.009 W/cm-°C	D5930