

MATERIAL DATA SHEET

05-028

05-028 is a compression-molded PTFE alloy designed primarily for non-lubricated air compression. Suitable for piston & rider rings, rod rings, and bushings.

Properties	Value		ASTM Method
Tensile Strength	2000 psi	13.8 MPa	D638
Flexural Strength	1600 psi	11.0 MPa	D790
Elongation	40%		D638
CTE - Radial	$4.3 \times 10^{-5}/^{\circ}\text{F}$	$7.7 \times 10^{-5}/^{\circ}\text{C}$	D696
CTE - Axial	$5.7 \times 10^{-5}/^{\circ}\text{F}$	$10.3 \times 10^{-5}/^{\circ}\text{C}$	D696
Thermal Conductivity	.30 BTU/hr-ft- $^{\circ}\text{F}$.005 W/cm- $^{\circ}\text{C}$	
Density	0.139 lb/in ³	3.8 g/cm ³	D792
Hardness	65 Shore D		D2240