

MATERIAL DATA SHEET

05-114

05-114 is a hot compression molded PEEK alloy for general purpose use in lubricated compressors where high strength and wear resistance are required. It is resistant to most chemicals except chlorine. Suitable for use in piston rings, rider rings, packing rings, and bushings.

Properties	Value		ASTM Method
Tensile Strength	8,700 psi	60.0 MPa	D638
Flexural Strength	16,000 psi	110 MPa	D790
Elongation	4.0%		D638
CTE	$1.5 \times 10^{-5}/^{\circ}\text{F}$	$2.7 \times 10^{-5}/^{\circ}\text{C}$	D696
Density	0.049 lb/in ³	1.4 g/cm ³	D792
Hardness	82.0 Shore D		D2240