

MATERIAL DATA SHEET

05-111

05-111 is an injection 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. For use primarily in packing rings and bushings because of size limitations.

Properties	Value		ASTM Method
Tensile Strength	11,000 psi	75.8 MPa	D638
Flexural Strength	19,000 psi	131 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	0.047 lb/in ³	1.3 g/cm ³	D792
Hardness	81.0 Shore D		D2240