

MATERIAL DATA SHEET

05-189

05-189 is PEEK-based compression molded alloy developed for extreme service in both lubricated and oil-free air compressors.

Properties	Value		ASTM Method
Tensile Strength	8500 psi	58.6 MPa	D638
Elongation	2.8%		D638
CTE	$3.4 \times 10^{-5}/^{\circ}\text{F}$	$6.1 \times 10^{-5}/^{\circ}\text{C}$	D696
Specific Gravity	2.2		D792
Hardness	87 Shore D		D2240