

MATERIAL DATA SHEET

05-163

05-163 is a hot compression molded PEEK alloy for extreme service in lubricated compressors. It provides high strength and abrasion resistance.

Properties	Value		ASTM Method
Tensile Strength	26,000 psi	179 MPa	D638
Flexural Strength	24,700	170 MPa	D790
Elongation	2.0%		D638
CTE	$1.6 \times 10^{-5}/^{\circ}\text{F}$	$2.9 \times 10^{-5}/^{\circ}\text{C}$	D696
Density	0.05 lb/in ³	1.4 g/cm ³	D792

- Developed for abrasion resistance, or low wear, in poorly lubricated service
- Resistance to most chemicals and acids, plus a high resistance to hot water
- Preferred grade for rod rings in high pressure high temperature lubricated services