

PB30003

DESCRIPTION

Compression molded virgin PolyEtherEtherKetone (PEEK) premium grade – pellets.

TYPICAL PROPERTIES

Property	Test Method	Units	Typical Value
Color	-	-	Tan
Specific Gravity	ASTM D792	-	1.30
Hardness Shore D	ASTM D2240	Shore D	87-90
Tensile Strength	ASTM D638*	PSI [MPa]	14,500 [100]
Elongation at Break	ASTM D638*	%	10
Tensile Modulus	ASTM D638*	PSI [MPa]	450,000 [3,103]
Compressive Strength	ASTM D695	PSI [MPa]	19,500 [134]
Compressive Modulus	ASTM D695	PSI [MPa]	420,000 [2,896]
Flexural Strength	ASTM D790**	PSI [MPa]	24,000 [165]
Flexural Modulus	ASTM D790	PSI [MPa]	585,000 [4,033]
Izod Impact Strength	ASTM D256	ft-lb/in [J/m]	1.29 [68.8]

*Type V dog bone tested at 0.5 in/min

**No Break – Flexural strength at 5% strain.

REQUIREMENTS

This product meets ASTM D6262 Type 2 Class 1 Grade 1 requirements.

This product meets ASTM D8033 PEEK0121 requirements.