

# PB30003V

## DESCRIPTION

Compression molded virgin PolyEtherEtherKetone (PEEK) premium grade.

## 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*	%	17
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.

This product is MIL-P-46183 type I compliant.