

# PB30201R

## DESCRIPTION

Compression molded 30% carbon fiber filled PolyEtherEtherKetone (PEEK).

## TYPICAL PROPERTIES

Property	Test Method	Units	Typical Value
Color			Black
Specific gravity	ASTM D792		1.41
Hardness Shore D	ASTM D2240	Shore D	90-92
Tensile Strength	ASTM D638*	PSI [MPa]	19,000 [131]
Elongation at break	ASTM D638*	%	5
Tensile Modulus	ASTM D638*	PSI [MPa]	750,000 [5,171]
Compressive Strength	ASTM D695	PSI [MPa]	30,500 [210]
Compressive Modulus	ASTM D695	PSI [MPa]	805,000 [5,550]
Flexural Strength	ASTM D790	PSI [MPa]	31,000 [214]
Flexural Modulus	ASTM D790	PSI [MPa]	1,390,000 [9,584]
Izod Impact Strength	ASTM D256	ft-lb/in [J/m]	1.38 [73.5]

\*Type V dog bone tested at 0.5 in/min

## REQUIREMENTS

This product meets ASTM D6262 Type 2 Class 3 Grade 1 requirements.  
This product meets ASTM D8033 PEEK012CF30A4648 requirements.