

TYPICAL PROPERTIES OF CARBON FIBER PEEK

Property	Test Method	U.S. Units	SI Units
Mechanical Properties			
Tensile Strength	ASTM D 638	32,900 psi	226 MPa
Tensile Modulus	ASTM D 638	2,860,000 psi	19,700 MPa
Tensile Elongation at Break	ASTM D 638	2.0%	2.0%
Flexural Strength	ASTM D 790	49,000 psi	338 MPa
Flexural Modulus	ASTM D 790	2,680,000 psi	18,500 MPa
Izod Impact, Notched	ASTM D 256	1.3 ft-lb/in	69 J/m
Izod Impact, Unnotched	ASTM D 4812	14 ft-lb/in	750 J/m
Physical Properties			
Water Absorption	ASTM D 570	0.10%	0.10%
Specific Gravity	ASTM D 792	1.41	1.41
Thermal Properties			
Heat Deflection Temperature	ASTM D 648	599°F	315°C
Glass Transition Temperature	ASTM D 3417	302°F	150°C

For inquires or additional information, please call: 1 (281) 255-6855

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