

TYPICAL PROPERTIES OF GLASS FIBER PEEK

Property	Test Method	U.S. Units	SI Units
Mechanical Properties			
Tensile Strength	ASTM D 638	25,200 psi	174 MPa
Tensile Modulus	ASTM D 638	1,530,000 psi	10,500 MPa
Tensile Elongation at Break	ASTM D 638	2.70%	2.70%
Flexural Strength	ASTM D 790	39,000 psi	269 MPa
Flexural Modulus	ASTM D 790	1,550,000 psi	10,700 MPa
Izod Impact, Notched	ASTM D 256	2 ft-lb/in	107 J/m
Izod Impact, Unnotched	ASTM D 4812	18 ft-lb/in	960 J/m
Physical Properties			
Water Absorption	ASTM D 570	0.10%	0.10%
Specific Gravity	ASTM D 792	1.53	1.53
Thermal Properties			
Heat Deflection Temperature	ASTM D 648	599°F	315°C
Glass Transition Temperature	ASTM D 3417	302°F	150°C
Electrical Properties			
Dielectric Strength	IEC 248	-	175 kV mm ⁻¹
Dielectric Constant (50Hz 0-150° C)	IEC 250	-	3.7
Volume Resistivity	IEC 93	-	1 x 10 ¹⁶ Ω cm

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

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