

<b>TYPICAL PROPERTIES OF HIGH TEMPERATURE (HT) PEEK</b>			
<b>Property</b>	<b>Test Method</b>	<b>U.S. Units</b>	<b>SI Units</b>
<b>Mechanical Properties</b>			
Tensile Strength	ISO 527-2/1B/50	16,000 psi @ 73.4°F	110 MPa @ 23°C
Tensile Strength	ISO 527-2/1B/50	6,960 psi @ 302°F	48 MPa @ 150°C
Tensile Strength	ISO 527-2/1B/50	2,470 psi @ 482°F	17 MPa @ 250°C
Tensile Elongation at Break	ISO 527-2/1B/50	20%	20%
Flexural Strength	ISO 178	26,800 psi @ 73.4°F	185 MPa @ 23°C
Flexural Modulus	ISO 178	595,000 psi @ 73.4°F	4,100 MPa @ 23°C
Flexural Modulus	ISO 178	450,000 psi @ 302°F	3,100 MPa @ 150°C
<b>Physical Properties</b>			
Density	ISO 1183	0.0477 lb/in <sup>3</sup>	1.32 g/cc
Specific Gravity	-	1.32 g/cc	1.32 g/cc
<b>Thermal Properties</b>			
Heat Deflection Temperature	ISO 75	329°F	165°C
Glass Transition Temperature	DSC	315°F	157°C
<b>Electrical Properties</b>			
Dielectric Constant	IEC 250	3.30 @ 32°F - 302°F	3.30 @ 0°C - 150°C
Dielectric Constant	IEC 250	4 @ 392°F	4 @ 200°C
Volume Resistivity	-	-	4.9 x 10 <sup>16</sup> Ω cm

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

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