



# Pyramid™ KD2000 Injection Molded Shape

Polyetheretherketone (PEEK) Tube

<b>General</b>	<b>ASTM No.</b>	<b>US Value</b>	<b>SI Unit</b>
<b>Specific Gravity</b>	D792	1.3 g/ml	
<b>Water Absorption (24hr. @ 23 °C, %)</b>	D570	0.5%	
<b>Mechanical</b>			
<b>Tensile Strength</b>	D638	14 Kpsi	97 MPa
<b>Tensile Modulus</b>	D638	0.5 Mpsi	3.4 GPa
<b>Tensile Elongation (Break), %</b>	D638	30%	
<b>Flexural Strength</b>	D790	21 Kpsi	145 MPa
<b>Flexural Modulus</b>	D790	0.5 Mpsi	3.4 GPa
<b>Thermal</b>			
<b>Melting Point, °F</b>	DSC	644	340 °C
<b>CLTE, linear <math>\mu\text{in}/\text{in} - ^\circ\text{F} (&lt;T_g)</math></b>	D696	2.6	4.7 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$
<b>HDT@ 264 psi, °F</b>	DMA	302	150 °C
<b>Flexural Modulus, °F</b>	D3418	289	143 °C
<b>Flammability</b>			
<b>Flammability (1.6 mm)</b>	UL 94	V-0	
<b>Oxygen Index (3.2 mm)</b>	D2863	38%	
<b>Electrical</b>			
<b>Dielectric Strength</b>	D149	530 V/mil	21 kV/mm
<b>Surface Resistivity</b>	D257	1 x 10 <sup>14</sup> Ohm	
<b>Volume Resistivity</b>	D257	1 x 10 <sup>14</sup> Ohm	

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