



Pyramid™ KD2000 Compression Molded Shape

Polyetheretherketone (PEEK) Tube

General	ASTM No.	US Value	SI Unit
Specific Gravity	D792	1.3 g/ml	
Water Absorption (24hr. @ 23 °C, %)	D570	0.2%	
Mechanical			
Tensile Strength	D638	14.9 Kpsi	103 MPa
Tensile Modulus	D638	0.45 Mpsi	3.1 GPa
Tensile Elongation (Break), %	D638	10%	
Flexural Strength	D790	25 Kpsi	172 MPa
Flexural Modulus	D790	0.45 Mpsi	3.1 GPa
Thermal			
Melting Point, °F	DSC	644	340 °C
CLTE, linear $\mu\text{in}/\text{in} - ^\circ\text{F} (<T_g)$	D696	2.6	4.7 $\mu\text{m}/\text{m}^\circ\text{C}$
HDT@ 264 psi, °F	DMA	302	150 °C
Flexural Modulus, °F	D3418	289	143 °C
Flammability			
Flammability (1.6 mm)	UL 94	V-0	
Oxygen Index (3.2 mm)	D2863	38%	
Electrical			
Dielectric Strength	D149	530 V/mil	21 kV/mm
Volume Resistivity	D257	1 x 10 ¹⁴ Ohm	
Surface Resistivity	D257	1 x 10 ¹⁴ Ohm	

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