

Product Texts

Polyetheretherketone (PEEK) Tube.

Pyramid™ KD2000 Injection Molded Shape.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3400	MPa	ASTM D 638
Tensile Strength	97	MPa	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	3400	MPa	ASTM D 790
Flexural Strength	145	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
Coefficient of Thermal Expansion, MD	4.7	E-6/K	ASTM D 696
DTUL @ 264 psi	150	°C	ASTM D 648
Melting Temperature	340	°C	ASTM D 3418
Limiting Oxygen Index	38	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	21	kV/mm	ASTM D 149
Surface Resistivity	1E14	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.5	%	ASTM D 570
Density	1300	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Europe, Asia Pacific