

Pyramid™ PEEK KD2000 Compression Molded Shape

Polyetheretherketone
Polymics, Ltd.

Message:
Polyetheretherketone (PEEK) Tube

General Information			
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength	103	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus (143°C)	3100	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648
Melting Temperature	340	°C	DSC
CLTE - Flow	4.7E-6	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	21	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	38	%	ASTM D2863

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