

KMI PEI KM-H00R IEP

Polyether Imide

KMI Group, Inc.

Message:

High Performance Polyetherimide Material

General Information			
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Across Flow	0.50 - 0.70	%	ASTM D955
Water Absorption (Equilibrium)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	125	MPa	ASTM D638
Tensile Elongation (Break)	10 - 15	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	340	°C	ASTM D3418
Heat Distortion	208	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	28	kV/mm	ASTM D149
Dielectric Constant	3.10		ASTM D150
Dissipation Factor (1 MHz)	0.015		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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Recommended distributors for this material

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