

Kemid Polyetherimide Film

Polyether Imide
Saint Gobain - Norton

Message:

Kemid Polyetherimide Film is a Polyether Imide (PEI) product. It is available in North America. Typical application: Electrical/Electronic Applications.
Characteristics include:
Chemical Resistant
Flame Retardant
High Strength

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
	High Strength		
Uses	Electrical Parts		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength (Yield)	103	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	216	°C	ASTM E1356
CLTE - Flow	5.6E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.22	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength	140	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	3.15		ASTM D150
Dissipation Factor (1 kHz)	1.3E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

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