

Saint-Gobain Norton® High Performance Extruded PEI Film

Category : Polymer , Film , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Description: PEI = polyetherimide. Used Primarily for Electrical/Electronics Applications
Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Norton-High-Performance-Extruded-PEI-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D-792
Water Absorption	0.50 %	0.50 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	107 MPa	15500 psi	ASTM D-882
Elongation at Break	105 %	105 %	ASTM D-882
Tensile Modulus	2.59 GPa	375 ksi	ASTM D-882

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 Âµm/m-Â°C @Temperature 20.0 Â°C	30.0 Âµin/in-Â°F @Temperature 68.0 Â°F	ASTM D-696
Maximum Service Temperature, Air	227 Â°C	440 Â°F	UL -746 B
Flammability, UL94	V-0	V-0	VTM-0

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.80e+16 ohm	1.80e+16 ohm	ASTM D-257
Dielectric Constant	3.1 @Frequency 1000 Hz	3.1 @Frequency 1000 Hz	ASTM D-150
Dielectric Strength	244 kV/mm	6200 kV/in	ASTM D-149
Dissipation Factor	0.0020	0.0020	ASTM D-150

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