

Lucent Polymers PEI-100 Polyetherimide, General Purpose

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Information provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PEI-100-Polyetherimide-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	1/8" Section

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	102 MPa	14800 psi	ASTM D638
Elongation at Break	>= 10 %	>= 10 %	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	3.103 GPa	450.1 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	0.599 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	ASTM D648

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