

LTL Color Compounds ColorFast® PEI1000 Polyetherimide

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Injection and extrusion grade polyetherimide, high temperatureAll information provided by LTL Color Compounders, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorFast-PEI1000-Polyetherimide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption	1.3 %	1.3 %	@ 24 Hours; ASTM D570
Linear Mold Shrinkage	0.0015 - 0.0020 cm/cm	0.0015 - 0.0020 in/in	0.125; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	82.7 MPa	12000 psi	2.0 in/min; ASTM D638
Elongation at Break	70 %	70 %	2.0 in/min; ASTM D638
Elongation at Yield	10 %	10 %	2.0 in/min; ASTM D638
Flexural Strength	89.6 MPa	13000 psi	2.0 in/min; ASTM D790
Flexural Modulus	3.03 GPa	440 ksi	2.0 in/min; ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 22.8 Â°C	1.00 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.2 Â°C	180 Â°F	Unannealed (0.250"); ASTM D648

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