

PolyOne Edgetek® PI-20GF/000 Polyetherimide (PEI), Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Description/Features: Glass Fiber Reinforced PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PI-20GF000-Polyetherimide-PEI-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Water Absorption	0.22 % @Thickness 3.17 mm	0.22 % @Thickness 0.125 in	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	148 MPa	21500 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	4.0 - 5.0 %	4.0 - 5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	214 MPa	31000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	1.50 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 399 °C	680 - 750 °F	Molding

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