

## PolyOne Edgetek® PI-20GM/000 L Polyetherimide (PEI), Glass Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

**Material Notes:**

Description/Features:Milled Glass Fiber ReinforcedHigh FlowPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-PI-20GM000-L-Polyetherimide-PEI-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PI-20GM000-L-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	0.20 % @Thickness 3.17 mm	0.20 % @Thickness 0.125 in	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	89.6 MPa	13000 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	5.0 - 6.0 %	5.0 - 6.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	4.14 GPa	600 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790
Flexural Modulus	4.34 GPa	630 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.900 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)	204 °C	400 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	343 - 371 °C	650 - 700 °F	Molding

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