

PolyOne Edgetek® RA-15GF/000 Polyethersulfone, Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Description/Features: Glass Fiber Reinforced UL 94 V0 UL 94 (CTI Testing) PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-RA-15GF000-Polyethersulfone-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	93.1 MPa	13500 psi	Type 1 - Rigids, Break, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	4.48 GPa	650 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.00 ft-lb/in @Thickness 0.250 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	Annealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	349 - 388 °C	660 - 730 °F	Molding
Mold Temperature	93.3 - 163 °C	200 - 325 °F	

Drying Temperature	149 °C	300 °F	2 hrs
Processing Properties	Metric	English	Comments

Descriptive Properties	Value	Comments
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Product Form	Pellets
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