

PolyOne Edgetek® AS-15GF/000 Acrylonitrile Butadiene Styrene (ABS), Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer

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-AS-15GF000-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion, -; ASTM D570
	0.80 %	0.80 %	Long-Term Immersion, -; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.5 MPa	9500 psi	Type 1 - Rigids, Break, 0.2 in/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	5.17 GPa	750 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Izod Impact, Notched	0.694 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.30 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)	96.1 °C	205 °F	Annealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 243 °C	430 - 470 °F	Molding
Mold Temperature	37.8 - 82.2 °C	100 - 180 °F	
Drying Temperature	82.2 °C	180 °F	2 hrs

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

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