

PolyOne Edgetek® AS-50GF/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-50GF000-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.485 g/cc	1.485 g/cc	ASTM D792
Water Absorption	0.10 %	0.10 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0015 cm/cm	0.0010 - 0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.2 MPa	8000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	8.96 GPa	1300 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 254 °C	430 - 490 °F	Molding
Mold Temperature	>= 65.6 °C	>= 150 °F	
Drying Temperature	65.6 °C	150 °F	
Dry Time	6 hour	6 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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