

PolyOne Edgetek® AS-20GF/000 FR 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-20GF000-FR-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.361 g/cc	1.361 g/cc	ASTM D792
Water Absorption	0.16 %	0.16 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	41.4 MPa	6000 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	4.69 GPa	680 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	4.69 GPa	680 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

Processing Properties	Metric	English	Comments
Melt Temperature	216 - 249 °C	420 - 480 °F	Molding
Mold Temperature	54.4 - 65.6 °C	130 - 150 °F	
Drying Temperature	65.6 °C	150 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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