

PolyOne Edgetek® AS-20GB/000 Acrylonitrile Butadiene Styrene (ABS), Glass Bead Filled (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Glass Bead Filled

Material Notes:

Description/Features: Glass Bead Filled PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AS-20GB000-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Bead-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	31.0 MPa	4500 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	2.41 GPa	350 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	51.7 MPa	7500 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.10 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 232 °C	400 - 450 °F	Molding
Mold Temperature	54.4 - 71.1 °C	130 - 160 °F	
Drying Temperature	54.4 - 71.1 °C	130 - 160 °F	
Dry Time	6 hour	6 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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