

PolyOne Edgetek® AS-10GF/000 FR Acrylonitrile Butadiene Styrene (ABS), Glass/Carbon Fiber Filled (discontinue

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Description/Features:Glass/Carbon Fiber ReinforcedIgnition ResistantUL 94 V0PolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AS-10GF000-FR-Acrylonitrile-Butadiene-Styrene-ABS-GlassCarbon-Fiber-Filled-nbspdiscontinue.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.286 g/cc	1.286 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion, -; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.9 MPa	5500 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	3.31 GPa	480 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	37.9 MPa	5500 psi	ASTM D790
Flexural Modulus	3.31 GPa	480 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.80 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	All Colors, 0.125 in thick; UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 238 °C	410 - 460 °F	Molding
Mold Temperature	54.4 - 65.6 °C	130 - 150 °F	
Drying Temperature	65.6 °C	150 °F	2 hrs

Descriptive Properties	Value	Comments
Product Form	Pellets	

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