

PolyOne Edgetek® AS-10CF/000 FR Acrylonitrile Butadiene Styrene (ABS), Carbon Fiber Reinforced (discontinued)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Description/Features: Carbon Fiber Reinforced Ignition Resistant UL 94 V0 PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AS-10CF000-FR-Acrylonitrile-Butadiene-Styrene-ABS-Carbon-Fiber-Reinforced-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Water Absorption	0.25 %	0.25 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0025 - 0.0035 cm/cm	0.0025 - 0.0035 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	75.8 MPa	11000 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
Flexural Modulus	5.52 GPa	800 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.00 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)	98.9 °C	210 °F	Annealed, 0.125 in bars; ASTM D648
Flammability, UL94	V-0	V-0	All Colors; 0.125 in.

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	ASTM D257
Surface Resistivity per Square	1000 ohm	1000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 238 °C	430 - 460 °F	Molding

Mold Temperature Processing Properties	37.8 - 82.2 °C Metric	100 - 180 °F English	Comments
Drying Temperature	76.7 °C	170 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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