

PolyOne Edgetek® AS-13CF/000 Acrylonitrile Butadiene Styrene (ABS), Carbon Fiber Reinforced (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Description/Features: Carbon 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-13CF000-Acrylonitrile-Butadiene-Styrene-ABS-Carbon-Fiber-Reinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	89.6 MPa	13000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	6.21 GPa	900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	6.21 GPa	900 ksi	ASTM D790
Izod Impact, Notched	0.908 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.70 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm - 1e+05	100 ohm-cm - 1e+05	ASTM D257
Surface Resistivity per Square	100 ohm - 1e+05	100 ohm - 1e+05	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 249 °C	430 - 480 °F	Molding
Mold Temperature	54.4 - 65.6 °C	130 - 150 °F	
Drying Temperature	54.4 °C	130 °F	

Dry Time Processing Properties	2 hour Metric	2 hour English	Comments
Descriptive Properties	Value		Comments
Product Form	Pellets		

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