

PolyOne Edgetek® AS-10CF/000 ABS - 10% Carbon Fiber Reinforced (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 10% Carbon Fiber Filled

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792
Water Absorption	0.25 %	0.25 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0025 - 0.0035 cm/cm @Thickness 3.17 mm	0.0025 - 0.0035 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	79.0 MPa	11500 psi	ASTM D638
Elongation at Break	2.0 - 3.0 %	2.0 - 3.0 %	ASTM D638
Tensile Modulus	5.90 GPa	856 ksi	ASTM D638
Izod Impact, Notched	0.640 J/cm @Thickness 6.35 mm	1.20 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	100 - 1000 ohm-cm	100 - 1000 ohm-cm	ASTM D257
Surface Resistance	100 - 1000 ohm	100 - 1000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 249 °C	430 - 480 °F	Stock
Mold Temperature	27.0 - 54.0 °C	80.6 - 129 °F	

Drying Temperature	77.0 °C	171 °F	
Processing Properties	Metric	English	Comments

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