

PolyOne Edgetek® ATH-10CF/000 Acetal-Homopolymer, Carbon Fiber Reinforced (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM)

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-ATH-10CF000-Acetal-Homopolymer-Carbon-Fiber-Reinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Water Absorption	0.10 % @Thickness 3.17 mm	0.10 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.1 MPa	9000 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	86.2 MPa	12500 psi	ASTM D790
Flexural Modulus	6.21 GPa	900 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 - 1.00e+6 ohm-cm	1000 - 1.00e+6 ohm-cm	ASTM D257
Surface Resistivity per Square	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 227 °C	400 - 440 °F	Molding
Mold Temperature	65.6 - 71.1 °C	150 - 160 °F	

Drying Temperature Processing Properties	71.1 °C Metric	160 °F English	Comments
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China