

PolyOne Edgetek® AT-5GB/000 Acetal-Copolymer, Glass Bead Filled (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Description/Features: Glass Bead Filled PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AT-5GB000-Acetal-Copolymer-Glass-Bead-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.432 g/cc	1.432 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	0.020 cm/cm	0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	51.7 MPa	7500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	12 %	12 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	113 °C	235 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	188 - 216 °C	370 - 420 °F	Molding
Mold Temperature	54.4 - 76.7 °C	130 - 170 °F	
Drying Temperature	82.2 °C	180 °F	

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

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