

## PolyOne Edgetek® AT-10GB/000 Black Acetal-Copolymer, Glass Bead Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Acetal (POM)

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-AT-10GB000-Black-Acetal-Copolymer-Glass-Bead-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AT-10GB000-Black-Acetal-Copolymer-Glass-Bead-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Water Absorption	0.20 % @Thickness 3.17 mm	0.20 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	48.3 MPa	7000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	10 %	10 %	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	0.534 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)	110 °C	230 °F	Unannealed, 0.062 in bars; ASTM D648
Flammability, UL94	HB	HB	Black; 0.062 in.

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	204 °C	400 °F	Molding

Mold Temperature Processing Properties	54.4 - 76.7 °C Metric	130 - 170 °F English	Comments
Drying Temperature	82.2 °C	180 °F	
Dry Time	2 hour	2 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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