

## PolyOne Edgetek® ATH-30GF/000 Acetal-Homopolymer, Glass Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Acetal (POM)

### Material Notes:

Description/Features: Glass Fiber Reinforced UL 94 HB PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-ATH-30GF000-Acetal-Homopolymer-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-ATH-30GF000-Acetal-Homopolymer-Glass-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Water Absorption	0.13 %	0.13 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.7 MPa	11700 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	6.89 GPa	1000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	101.7 MPa	14750 psi	ASTM D790
Flexural Modulus	5.38 GPa	780 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

Thermal Properties	Metric	English	Comments
CTE, linear	45.0 µm/m-°C @ Temperature 20.0 °C	25.0 µin/in-°F @ Temperature 68.0 °F	ASTM D696
Thermal Conductivity	>= 0.303 W/m-K	>= 2.10 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	171 °C	340 °F	Unannealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	Unannealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+14 ohm	1.00e+14 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 216 °C	390 - 420 °F	Molding
Mold Temperature	82.2 - 107 °C	180 - 225 °F	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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