

PolyOne Edgetek® AT-30GF/000 Acetal-Copolymer, Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Description/Features:Glass Fiber ReinforcedUL 94 HBPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AT-30GF000-Acetal-Copolymer-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792
Water Absorption	0.90 % @Thickness 3.17 mm	0.90 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	107 MPa	15500 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	2.0 - 4.0 %	2.0 - 4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	9.65 GPa	1400 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	121 MPa	17500 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.800 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 210 °C	380 - 410 °F	Molding

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