

PolyOne Edgetek® AT-25GF/000 Acetal-Copolymer, Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AT-25GF000-Acetal-Copolymer-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.586 g/cc	1.586 g/cc	ASTM D792
Water Absorption	0.040 % @Thickness 3.17 mm	0.040 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0055 cm/cm	0.0050 - 0.0055 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	79.3 MPa	11500 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	6.21 GPa	900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	6.21 GPa	900 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.20 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 0.46 MPa (66 psi)	163 °C	325 °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

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 210 °C	380 - 410 °F	Molding
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	

Drying Temperature Processing Properties	82.2 °C Metric	180 °F English	Comments
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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