

PolyOne Edgetek® AM-30GM/15TF Polyphthalamide (PPA), Glass Filled, PTFE Lubricated (discontinued **)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AM-30GM15TF-Polyphthalamide-PPA-Glass-Filled-PTFE-Lubricated-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Water Absorption	0.21 %	0.21 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0065 cm/cm	0.0060 - 0.0065 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	100 MPa	14500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	5.17 GPa	750 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.800 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)	277 °C	530 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	266 °C	510 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	600 - 650 °F	Molding
Mold Temperature	>= 135 °C	>= 275 °F	
Drying Temperature	121 °C	250 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

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