

## PolyOne Edgetek® AM-30GF/000 Polyphthalamide (PPA), Glass Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

**Material Notes:**

Description/Features:Glass Fiber ReinforcedInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-AM-30GF000-Polyphthalamide-PPA-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AM-30GF000-Polyphthalamide-PPA-Glass-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Water Absorption	0.25 % @Thickness 3.17 mm	0.25 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	172 MPa	25000 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	12.4 GPa	1800 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	262 MPa	38000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	2.00 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)	288 °C	550 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	600 - 650 °F	Molding

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