

## PolyOne Edgetek® AM-30CF/000 Polyphthalamide (PPA), Carbon Fiber Reinforced (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-AM-30CF000-Polyphthalamide-PPA-Carbon-Fiber-Reinforced-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AM-30CF000-Polyphthalamide-PPA-Carbon-Fiber-Reinforced-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0015 cm/cm	0.0010 - 0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	228 MPa	33000 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	26.9 GPa	3900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	331 MPa	48000 psi	ASTM D790
Flexural Modulus	26.9 GPa	3900 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.00 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	8.10 µm/m-°C @Temperature 20.0 °C	4.50 µin/in-°F @Temperature 68.0 °F	ASTM D696
Thermal Conductivity	>= 0.793 W/m-K	>= 5.50 BTU-in/hr-ft²-°F	ASTM C177
Deflection Temperature at 1.8 MPa (264 psi)	304 °C	580 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 - 1000 ohm-cm	10 - 1000 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	600 - 650 °F	Molding
Mold Temperature	>= 135 °C	>= 275 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	6 hour	6 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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