

PolyOne Edgetek® AM-20CF/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-20CF000-Polyphthalamide-PPA-Carbon-Fiber-Reinforced-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Water Absorption	0.40 % @Thickness 3.17 mm	0.40 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	179 MPa	26000 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	19.0 GPa	2750 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	269 MPa	39000 psi	ASTM D790
Flexural Modulus	13.8 GPa	2000 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	1.40 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)	293 °C	560 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 - 10000 ohm-cm	100 - 10000 ohm-cm	ASTM D257
Surface Resistivity per Square	100 - 10000 ohm	100 - 10000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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