

PolyOne Edgetek® MP-1000 Modified PPO - Unreinforced (discontinued **)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Molded

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-MP-1000-Modified-PPO-Unreinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm @Thickness 3.17 mm	0.0050 - 0.0070 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	66.0 MPa	9570 psi	ASTM D638
Flexural Yield Strength	93.0 MPa	13500 psi	ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	59.4 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	33.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	137 $^\circ\text{C}$	279 $^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	129 $^\circ\text{C}$	264 $^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

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