

PolyOne Lubri-Tech™ MP-10GF/10T Modified Polyphenylene Oxide (mPPO), Glass Filled, PTFE Lubricated (discontin

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Description/Features: Glass Fiber Reinforced PTFE Lubricated UL 94 HB (HEM TEST) PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-MP-10GF10T-Modified-Polyphenylene-Oxide-mPPO-Glass-Filled-PTFE-Lubricated-nbspdiscontin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	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, Ultimate	55.2 MPa	8000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	3.45 GPa	500 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.60 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)	143 °C	290 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	138 °C	280 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	282 - 310 °C	540 - 590 °F	Molding
Mold Temperature	>= 104 °C	>= 220 °F	

<small>Drying Temperature</small> Processing Properties	93.3 °C Metric	200 °F English	Comments
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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