

PolyOne Lubri-Tech™ MP-20GF/05T Modified Polyphenylene Oxide (mPPO), Glass Filled, PTFE Lubricated (discontin

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Description/Features: Glass Fiber Reinforced PTFE Lubricated PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-MP-20GF05T-Modified-Polyphenylene-Oxide-mPPO-Glass-Filled-PTFE-Lubricated-nbspdiscontin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.236 g/cc	1.236 g/cc	ASTM D792
Water Absorption	0.18 %	0.18 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	96.5 MPa	14000 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	6.89 GPa	1000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	282 - 316 °C	540 - 600 °F	Molding
Mold Temperature	>= 121 °C	>= 250 °F	
Drying Temperature	121 °C	250 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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