

## PolyOne Lubri-Tech™ MP-15MCF/15T-2S Modified PPO - 15% Milled Carbon Fiber - 15% PTFE - 2% Silicone (disconti

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

### Material Notes:

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-MP-15MCF15T-2S-Modified-PPO-15-Milled-Carbon-Fiber-15-PTFE-2-Silicone-nbspdisconti.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-MP-15MCF15T-2S-Modified-PPO-15-Milled-Carbon-Fiber-15-PTFE-2-Silicone-nbspdisconti.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0025 cm/cm @Thickness 3.17 mm	0.0020 - 0.0025 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	ASTM D638
Tensile Modulus	6.60 GPa	957 ksi	ASTM D638
Flexural Yield Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	6.60 GPa	957 ksi	ASTM D790
Izod Impact, Notched	0.480 - 0.750 J/cm @Thickness 6.35 mm	0.899 - 1.41 ft-lb/in @Thickness 0.250 in	ASTM D256

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1000 - 1.00e+7 ohm-cm	1000 - 1.00e+7 ohm-cm	ASTM D257
Surface Resistance	1000 - 1.00e+7 ohm	1000 - 1.00e+7 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	271 - 304 °C	520 - 579 °F	Stock
Mold Temperature	121 °C	250 °F	
Drying Temperature	121 °C	250 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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