

## PolyOne Lubri-Tech™ SF-000/40T Polyphenylene Sulfide - 40% PTFE (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with PTFE Filler

### Material Notes:

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-SF-00040T-Polyphenylene-Sulfide-40-PTFE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-SF-00040T-Polyphenylene-Sulfide-40-PTFE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.582 g/cc	0.05715 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.10 %	0.10 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.010 - 0.020 cm/cm @Thickness 3.17 mm	0.010 - 0.020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	38.0 MPa	5510 psi	ASTM D638
Elongation at Break	1.0 - 4.0 %	1.0 - 4.0 %	ASTM D638
Tensile Modulus	2.40 GPa	348 ksi	ASTM D638
Flexural Yield Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	0.270 - 0.370 J/cm @Thickness 6.35 mm	0.506 - 0.693 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	351 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	288 - 316 °C Metric	550 - 601 °F English	Stock Comments
Mold Temperature	135 - 149 °C	275 - 300 °F	
Drying Temperature	149 °C	300 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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