

## PolyOne Lubri-Tech™ SF-10CF/15T Polyphenylene Sulfide (PPS), Carbon Fiber Reinforced, PTFE Lubricated (discon)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

Description/Features: Carbon 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-SF-10CF15T-Polyphenylene-Sulfide-PPS-Carbon-Fiber-Reinforced-PTFE-Lubricated-nbspdiscon.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-SF-10CF15T-Polyphenylene-Sulfide-PPS-Carbon-Fiber-Reinforced-PTFE-Lubricated-nbspdiscon.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.461 g/cc	1.461 g/cc	ASTM D792
Water Absorption	0.050 %	0.050 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0015 - 0.0020 cm/cm	0.0015 - 0.0020 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	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.50 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)	271 °C	520 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 - 1.00e+6 ohm-cm	1000 - 1.00e+6 ohm-cm	ASTM D257
Surface Resistivity per Square	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	304 - 332 °C	580 - 630 °F	Molding
Mold Temperature	>= 149 °C	>= 300 °F	
Drying Temperature	149 °C	300 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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