

## PolyOne LubriOne™ SF-30GF/15T Polyphenylene Sulfide (PPS)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-LubriOne-SF-30GF15T-Polyphenylene-Sulfide-PPS.php](http://www.lookpolymers.com/polymer_PolyOne-LubriOne-SF-30GF15T-Polyphenylene-Sulfide-PPS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0025 cm/cm	0.0020 - 0.0025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	12.1 GPa	1750 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	159 MPa	23100 psi	ASTM D790
Flexural Modulus	10.3 GPa	1490 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.06 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	270 °C	518 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D257

Processing Properties	Metric	English	Comments
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Processing Properties	Metric 120 - 150 °C	English 255 - 302 °F	Comments
Drying Temperature	140 - 150 °C	284 - 302 °F	
Dry Time	4.00 hour	4.00 hour	

Descriptive Properties	Value	Comments
Features	Lubricated	
Forms	Pellets	
Generic Material	PPS	
Generic Name	Polyphenylene Sulfide (PPS)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
RoHS Compliance	RoHS Compliant	
Uses	Appliance Components	
	Conveyor Parts	
	Printer Parts	

## Contact Songhan Plastic Technology Co.,Ltd.

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