

## PolyOne Lubri-Tech™ PF-000/15T Polysulfone, PTFE Lubricated (discontinued \*\*)

Category : Polymer , Thermoplastic , Polysulfone (PSU)

### Material Notes:

Description/Features:PTFE LubricatedUL 94 V0PolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-PF-00015T-Polysulfone-PTFE-Lubricated-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PF-00015T-Polysulfone-PTFE-Lubricated-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	69	69	ASTM D785
Tensile Strength, Ultimate	55.2 MPa	8000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.41 GPa	350 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.721 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.35 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	61.2 µm/m-°C @Temperature 20.0 °C	34.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Thermal Conductivity	>= 0.245 W/m-K	>= 1.70 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	171 °C	340 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	177 °C	350 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+16 ohm-cm Metric	1.00e+16 ohm-cm English	ASTM D257 Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	338 - 360 °C	640 - 680 °F	Molding
Mold Temperature	82.2 - 121 °C	180 - 250 °F	
Drying Temperature	121 - 135 °C	250 - 275 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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