

LNP Lubricomp® PDX-O-90351 Polyphenylene Sulfide, Glass Fiber Reinforcement, PTFE Lubricant (discontinued **)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), PTFE/Glass-Fiber Filled

Material Notes:

Features: Lubricated Forms: Pellets Processing Method: Injection Molding Information provided by LNP, a GE Plastics Company. This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LNP-Lubricomp-PDX-O-90351-Polyphenylene-Sulfide-Glass-Fiber-Reinforcement-PTFE-Lubricant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	Method A; ASTM D792
Density	1.67 g/cc	0.0603 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Tensile Modulus	10.3 GPa	1490 ksi	ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	9.17 GPa	1330 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.18 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	3.84 J/cm @Thickness 3.18 mm	7.19 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	6.40 kJ/m ²	3.05 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	ISO 180
Falling Dart Impact	2.60 J	1.92 ft-lb	ASTM D3763
Impact Test	2.45 J	1.81 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (100 psi)	261 °C	500 °F	None; ASTM D648
Processing Properties	Metric	English	Comments
Melt Temperature	316 - 321 °C	601 - 610 °F	
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Back Pressure	0.172 - 0.345 MPa	24.9 - 50.0 psi	

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