

LNP Lubricomp® OCL-4534 EM Polyphenylene Sulfide, Carbon Fiber Reinforced, PTFE + Silicone Lubricant (discont

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

Material Notes:

Features: Good Moldability, LubricatedForms: PelletsProcessing Method: Injection MoldingInformation 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-OCL-4534-EM-Polyphenylene-Sulfide-Carbon-Fiber-Reinforced-PTFE-Silicone-Lubricant-nbspdiscont.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	Method A; ASTM D792
Density	1.46 g/cc	0.0527 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	164 MPa	23800 psi	ASTM D638
Elongation at Break	1.6 %	1.6 %	ASTM D638
Tensile Modulus	19.0 GPa	2760 ksi	ASTM D638
Flexural Strength	228 MPa	33100 psi	ASTM D790
Flexural Modulus	15.0 GPa	2180 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm @Thickness 3.18 mm	0.899 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	3.90 J/cm @Thickness 3.18 mm	7.31 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	28.3 kJ/m ²	13.5 ft-lb/in ²	ISO 180
Falling Dart Impact	4.90 J	3.61 ft-lb	ASTM D3763
Impact Test	2.44 J	1.80 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	265 °C	509 °F	Unannealed; 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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