

LNP Lubricomp® OCL-4536 Polyphenylene Sulfide, Carbon Fiber Reinforced, PTFE + Silicone Lubricant (discontin

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

Material Notes:

Features: 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-4536-Polyphenylene-Sulfide-Carbon-Fiber-Reinforced-PTFE-Silicone-Lubricant-nbspdiscontin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	Method A; ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	119 MPa	17300 psi	ASTM D638
Elongation at Break	1.6 %	1.6 %	ASTM D638
Flexural Strength	228 MPa	33100 psi	ASTM D790
Flexural Modulus	20.1 GPa	2920 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.18 mm	0.701 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	3.20 J/cm @Thickness 3.18 mm	5.99 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.36	0.36	vs. Steel - @ 40 psi, 50 ft/min, tested in accordance with LNP WI-0687; ASTM D1894
Coefficient of Friction, Static	0.30	0.30	vs. Steel @ 40 psi, tested in accordance with LNP WI-0687; ASTM D1894
K (wear) Factor	30.2 x 10 ⁻⁸ mm ³ /N-M	15.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	40psi, 50ft/min; tested in accordance with LNP WI-0687

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	259 °C	498 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 321 °C	601 - 610 °F	

Mold Temperature Processing Properties	135 - 163 °C Metric	275 - 325 °F English	Comments
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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