

LNP Lubricomp® OCL-4036 Polyphenylene Sulfide, Carbon Fiber Reinforcement, PTFE Lubricant (discontinued **)&

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

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-OCL-4036-Polyphenylene-Sulfide-Carbon-Fiber-Reinforcement-PTFE-Lubricant-nbspdiscontinued-l.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	Method A; ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	168 MPa	24400 psi	ASTM D638
Tensile Strength, Yield	177 MPa	25700 psi	ASTM D638
Elongation at Break	1.4 %	1.4 %	ASTM D638
Elongation at Yield	1.4 %	1.4 %	ASTM D638
Tensile Modulus	21.5 GPa	3120 ksi	ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	21.1 GPa	3060 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.18 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	4.43 J/cm @Thickness 3.18 mm	8.30 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	6.30 kJ/m ²	3.00 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	31.0 kJ/m ²	14.8 ft-lb/in ²	ISO 180
Falling Dart Impact	15.1 J	11.1 ft-lb	ASTM D3763
Impact Test	2.97 J	2.19 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2
Coefficient of Friction, Dynamic	0.39	0.39	vs. Steel - @ 40 psi, 50 ft/min, tested in accordance with LNP WI-0687; ASTM D1894

Mechanical Properties	Metric	English	Comments
Coefficient of Friction, Static	0.34	0.34	40 psi, tested in accordance with LNP WI-0687, ASTM D1894
K (wear) Factor	38.3 x 10 ⁻⁸ mm ³ /N-M	19.0 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)	267 °C	513 °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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China