

LNP Lubricomp® JFL-4036 Polyethersulfone, Glass Fiber Reinforcement, PTFE Lubricant (discontinued **)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

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-JFL-4036-Polyethersulfone-Glass-Fiber-Reinforcement-PTFE-Lubricant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	Method A; ASTM D792
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183
Water Absorption	0.20 %	0.20 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.8 MPa	13600 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Tensile Modulus	12.2 GPa	1770 ksi	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1490 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 3.18 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	3.63 J/cm @Thickness 3.18 mm	6.80 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	9.20 kJ/m ²	4.38 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	24.0 kJ/m ²	11.4 ft-lb/in ²	ISO 180
Falling Dart Impact	9.40 J	6.93 ft-lb	ASTM D3763
Impact Test	2.47 J	1.82 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2
vs. Steel - @ 40 psi, 50 ft/min, tested			

Coefficient of Friction, Dynamic Mechanical Properties	0.46 Metric	0.46 English	in accordance with LNP WI-0687; ASTM D1894
Coefficient of Friction, Static	0.36	0.36	vs. Steel @ 40 psi, tested in accordance with LNP WI-0687; ASTM D1894
K (wear) Factor	121 x 10 ⁻⁸ mm ³ /N-M	60.0 x 10 ⁻¹⁰ in ³ -min/ft- lb-hr	40psi, 50ft/min; tested in accordance with LNP WI-0687

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 µm/m-°C @Temperature 20.0 °C	12.2 µin/in-°F @Temperature 68.0 °F	TMA; ASTM E831
CTE, linear, Transverse to Flow	34.0 µm/m-°C @Temperature 20.0 °C	18.9 µin/in-°F @Temperature 68.0 °F	TMA; ASTM E831
Deflection Temperature at 1.8 MPa (264 psi)	208 °C	406 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	354 - 371 °C	669 - 700 °F	
Mold Temperature	135 - 149 °C	275 - 300 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.050 %	0.050 %	Suggested
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 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