

LNP Lubricomp® ECL-4036 Polyetherimide, Carbon Fiber Reinforced, PTFE Lubricant (discontinued **)

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), Carbon 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-ECL-4036-Polyetherimide-Carbon-Fiber-Reinforced-PTFE-Lubricant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	Method A; ASTM D792
Linear Mold Shrinkage	0.00 cm/cm	0.00 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	179 MPa	26000 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Flexural Strength	228 MPa	33100 psi	ASTM D790
Flexural Modulus	19.2 GPa	2780 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.18 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	2.67 J/cm @Thickness 3.18 mm	5.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.39	0.39	vs. Steel - @ 40 psi, 50 ft/min, tested in accordance with LNP WI-0687; ASTM D1894
Coefficient of Friction, Static	0.48	0.48	vs. Steel @ 40 psi, tested in accordance with LNP WI-0687; ASTM D1894
K (wear) Factor	62.4 x 10 ⁻⁸ mm ³ /N-M	31.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	40psi, 50ft/min; tested in accordance with LNP WI-0687

Electrical Properties	Metric	English	Comments
Surface Resistance	100 ohm	100 ohm	ASTM D4496

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 366 °C	680 - 691 °F	
Mold Temperature	121 - 149 °C	250 - 300 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.020 %	0.020 %	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