

LNP Lubricomp® IBL-4416 Polyamide 6/12 Copolymer, Glass Bead Reinforced, Silicone Lubricant (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Glass Fiber 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-IBL-4416-Polyamide-612-Copolymer-Glass-Bead-Reinforced-Silicone-Lubricant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	Method A; ASTM D792
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Water Absorption	0.20 %	0.20 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.017 cm/cm	0.017 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	54.5 MPa	7900 psi	ASTM D638
Tensile Strength, Yield	54.5 MPa	7900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Elongation at Yield	3.1 %	3.1 %	ASTM D638
Tensile Modulus	3.31 GPa	480 ksi	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm @Thickness 3.18 mm	0.401 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	2.51 J/cm @Thickness 3.18 mm	4.70 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	3.70 kJ/m ²	1.76 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	16.8 kJ/m ²	7.99 ft-lb/in ²	ISO 180
Falling Dart Impact	3.80 J	2.80 ft-lb	ASTM D3763

Mechanical Properties Impact Test	Metric 0.516J	English 0.516ft-lb	Comments Instrumented Impact Energy, ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	169 °C	336 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.7 °C	170 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	268 - 274 °C	514 - 525 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	82.2 °C	180 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.020 %	0.020 %	Suggested
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