

LNP Lubricomp® PDX-E-00548 CCS Polyetherimide, Aramid Fiber Reinforced, PTFE Lubricant (discontinued **)

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), Aramid Fiber Filled

Material Notes:

Features: Lubricated, Low to None Ion Content 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-PDX-E-00548-CCS-Polyetherimide-Aramid-Fiber-Reinforced-PTFE-Lubricant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	Method A; ASTM D792
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Water Absorption	0.20 %	0.20 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	83.4 MPa	12100 psi	ASTM D638
Tensile Strength, Yield	84.8 MPa	12300 psi	ASTM D638
Elongation at Break	8.1 %	8.1 %	ASTM D638
Elongation at Yield	6.1 %	6.1 %	ASTM D638
Tensile Modulus	3.03 GPa	439 ksi	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	0.267 J/cm @Thickness 3.18 mm	0.500 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	4.70 J/cm @Thickness 3.18 mm	8.81 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	4.70 kJ/m ²	2.24 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	32.6 kJ/m ²	15.5 ft-lb/in ²	ISO 180

Falling Dart Impact Mechanical Properties	4.90 J Metric	3.61 ft-lb English	ASTM D3763 Comments
---	-------------------------	------------------------------	-------------------------------

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	Unannealed; ASTM D648

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