

LNP Lubricomp® PDX-J-91198 Polyethersulfone, Proprietary Filler (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-PDX-J-91198-Polyethersulfone-Proprietary-Filler-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	Method A; ASTM D792
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 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	117 MPa	17000 psi	ASTM D638
Elongation at Break	1.9 %	1.9 %	ASTM D638
Tensile Modulus	10.1 GPa	1460 ksi	ASTM D638
Flexural Strength	165 MPa	23900 psi	ASTM D790
Flexural Modulus	8.83 GPa	1280 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	3.31 J/cm @Thickness 3.18 mm	6.20 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	7.40 kJ/m ²	3.52 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	26.9 kJ/m ²	12.8 ft-lb/in ²	ISO 180
Falling Dart Impact	4.20 J	3.10 ft-lb	ASTM D3763
Impact Test	2.36 J	1.74 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2
Coefficient of Friction, Dynamic	0.43	0.43	vs. Steel - @ 40 psi, 50 ft/min, tested in accordance with LNP WI-0687;

Mechanical Properties	Metric	English	ASTM D1894 Comments
Coefficient of Friction, Static	0.34	0.34	vs. Steel @ 40 psi, tested in accordance with LNP WI-0687; ASTM D1894
K (wear) Factor	$8.06 \times 10^{-8} \text{ mm}^3/\text{N-M}$	$4.00 \times 10^{-10} \text{ in}^3\text{-min/ft-lb-hr}$	40psi, 50ft/min; tested in accordance with LNP WI-0687

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	211 °C	412 °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