

SABIC Innovative Plastics LNP LUBRICOMP OX88533 PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP LUBRICOMP* OX88533 is a compound based on Polyphenylene Sulfide resin containing Proprietary Filler(s). Added feature of this material is: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-OX88533-PPS.php

Physical Properties	Metric	English	Comments
Density	1.69 g/cc	0.0611 lb/in ³	ASTM D792
	1.69 g/cc	0.0611 lb/in ³	ISO 1183
Moisture Absorption	0.0100 %	0.0100 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.00090 cm/cm	0.00090 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0010 cm/cm	0.0010 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0053 cm/cm	0.0053 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	144 MPa	20900 psi	ASTM D638
	146 MPa	21200 psi	
Elongation at Break	1.8 %	1.8 %	ASTM D638
	1.8 %	1.8 %	
Tensile Modulus	12.18 GPa	1767 ksi	1 mm/min; ISO 527
	13.1 GPa	1900 ksi	
Flexural Strength	200 MPa	29000 psi	ASTM D790
	208 MPa	30200 psi	
Flexural Modulus	10.96 GPa	1590 ksi	ASTM D790

Mechanical Properties	11.44 GPa Metric	1659 ksi English	ISO 178 Comments
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.28 J/cm	9.89 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	38.0 kJ/m ²	18.1 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	7.00 J	5.16 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603
Coefficient of Friction, Dynamic	0.43	0.43	ASTM D3702 Modified
Coefficient of Friction, Static	0.34	0.34	ASTM D3702 Modified
K (wear) Factor	119 x 10 ⁻⁸ mm ³ /N-M	59.0 x 10 ⁻¹⁰ in ³ - min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	263 °C @Thickness 3.20 mm	505 °F @Thickness 0.126 in	unannealed; ASTM D648

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