

SABIC Innovative Plastics LNP LUBRICOMP EX00548C PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP LUBRICOMP* EX00548C is a compound based on Polyetherimide resin containing Proprietary Fillers. Added features of this material include: Clean Compounding System, Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-EX00548C-PEI.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D792
	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Moisture Absorption	0.220 %	0.220 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0066 cm/cm	0.0066 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	83.0 MPa	12000 psi	ASTM D638
	85.0 MPa	12300 psi	ISO 527
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638
	86.0 MPa	12500 psi	ISO 527
Elongation at Break	7.6 %	7.6 %	ISO 527
	8.1 %	8.1 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ISO 527
	6.1 %	6.1 %	ASTM D638
Tensile Modulus	3.03 GPa	439 ksi	50 mm/min; ASTM D638

Mechanical Properties	3.20 GPa Metric	464 ksi English	1 mm/min: ISO 527 Comments
Flexural Strength	143 MPa	20700 psi	ISO 178
	148 MPa	21500 psi	ASTM D790
Flexural Modulus	3.39 GPa	492 ksi	ISO 178
	3.44 GPa	499 ksi	ASTM D790
Izod Impact, Notched	0.260 J/cm	0.487 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.69 J/cm	8.79 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	32.0 kJ/m ²	15.2 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	4.00 J	2.95 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	184 Â°C	363 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	185 Â°C @Thickness 3.20 mm	365 Â°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