

LNP™ LUBRICOMP™ EX00548C compound

Polyether Imide
SABIC Innovative Plastics

Message:

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

Also known as: LNP* LUBRICOMP* Compound PDX-E-00548 CCS

Product reorder name: EX00548C

General Information			
UL YellowCard	E121562-101345280		
Filler / Reinforcement	Proprietary		
Features	Good Wear Resistance		
	Low (to None) Ion Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.70	%	ASTM D955
Across Flow : 24 hr	0.70	%	ASTM D955, ISO 294-4
Flow : 24 hr	0.66	%	ISO 294-4
Water Absorption (24 hr, 50% RH)	0.22	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3030	MPa	ASTM D638
--	3200	MPa	ISO 527-2/1
Tensile Strength			
Yield	85.4	MPa	ASTM D638
Yield	86.0	MPa	ISO 527-2
Break	83.7	MPa	ASTM D638
Break	85.0	MPa	ISO 527-2
Tensile Elongation			
Yield	6.1	%	ASTM D638
Yield	6.0	%	ISO 527-2
Break	8.1	%	ASTM D638
Break	7.6	%	ISO 527-2
Flexural Modulus			
--	3450	MPa	ASTM D790
--	3390	MPa	ISO 178
Flexural Strength			

--	149	MPa	ASTM D790
--	143	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	27	J/m	ASTM D256
23°C ²	4.7	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	470	J/m	ASTM D4812
23°C ³	33	kJ/m ²	ISO 180/1U
Instrumented Dart Impact (23°C, Energy at Peak Load)	4.90	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	185	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	184	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	343 to 354	°C	
Middle Temperature	354 to 366	°C	
Front Temperature	366 to 377	°C	
Processing (Melt) Temp	360 to 366	°C	
Mold Temperature	121 to 149	°C	
Back Pressure	0.344 to 0.689	MPa	
Screw Speed	60 to 100	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT