

LNP™ LUBRICOMP™ Lexan_LF0335

compound

Polycarbonate

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP LEXAN_LF0335 compound is a 35% glass fiber, milled glass reinforced PC injection moulding resin with improved wear resistance and reduced friction.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Features	Good Wear Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
260°C/5.0 kg	11.0	cm ³ /10min	
300°C/1.2 kg	9.00	cm ³ /10min	
Water Absorption			ISO 62
Saturation, 23°C	0.23	%	
Equilibrium, 23°C, 50% RH	0.070	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7900	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹			ISO 180/1A
-30°C	8.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Unnotched Izod Impact Strength ²			ISO 180/1U
-30°C	38	kJ/m ²	
23°C	34	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 100 mm Span	141	°C	ISO 75-2/Be
1.8 MPa, Unannealed, 100 mm Span	136	°C	ISO 75-2/Ae
Vicat Softening Temperature			
--	143	°C	ISO 306/B50
--	145	°C	ISO 306/B120

CLTE		ISO 11359-2
Flow : 23 to 60°C	2.0E-5	cm/cm/°C
Transverse : 23 to 60°C	6.4E-5	cm/cm/°C
Flammability	Nominal Value	Test Method
Flame Rating (1.60 mm, Testing by SABIC)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Hopper Temperature	60.0 to 80.0	°C
Rear Temperature	270 to 300	°C
Middle Temperature	280 to 310	°C
Front Temperature	290 to 320	°C
Nozzle Temperature	280 to 310	°C
Processing (Melt) Temp	290 to 320	°C
Mold Temperature	80.0 to 120	°C
NOTE		
1.	80*10*4	
2.	80*10*4	
3.	120*10*4 mm	

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