

LNP™ LUBRICOMP™ SFL36 compound

Polyamide 12

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP SFL36 is a compound based on PA 12 resin containing Glass Fiber, PTFE. Added features include: Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound SFL-4036

Product reorder name: SFL36

General Information			
UL YellowCard	E45329-101284435		
Filler / Reinforcement	Glass Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.14	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	100	MPa	ISO 527-2/5
Tensile Strain (Break)	4.5	%	ISO 527-2/5
Flexural Modulus ¹	5900	MPa	ISO 178
Flexural Stress	147	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	15	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	65	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	175	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	160	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.12 to 0.20	%	
Rear Temperature	216 to 227	°C	
Middle Temperature	221 to 232	°C	
Front Temperature	227 to 238	°C	

Processing (Melt) Temp	227 to 238	°C
Mold Temperature	71.1 to 82.2	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	
4.	80*10*4 mm	

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