

LNP™ LUBRICOMP™ GFL36 compound

Polysulfone

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP GFL36 is a compound based on Polysulfone resin containing Glass Fiber, PTFE. Added features include: Internally Lubricated.

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

Product reorder name: GFL36

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8900	MPa	ISO 527-2/1
Tensile Stress (Break)	92.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.6	%	ISO 527-2/5
Flexural Modulus ¹	7400	MPa	ISO 178
Flexural Stress	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	185	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.7E-5	cm/cm/°C	
Transverse : 23 to 60°C	4.4E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	327 to 338	°C	
Middle Temperature	338 to 349	°C	
Front Temperature	349 to 360	°C	
Processing (Melt) Temp	360 to 371	°C	
Mold Temperature	149	°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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