

LNP™ LUBRICOMP™ RFL36S compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFL36S is a compound based on Nylon 66 resin containing Glass Fiber, PTFE. Added features of this material include: Heat Stabilized.

Also known as: LNP* LUBRICOMP* Compound RFL4036HS

Product reorder name: RFL36S

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant heat stabilizer		
Features	Thermal Stability Lubrication		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.20 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	159	MPa	ISO 527-2/5
Tensile Strain (Break)	3.1	%	ISO 527-2/5
Flexural Modulus ²	8200	MPa	ISO 178
Flexural Stress	235	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ³ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	> 220	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	> 220	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.3E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.0E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	266 - 277	°C	
Middle Temperature	282 - 293	°C	

Front Temperature	293 - 304	°C
Processing (Melt) Temp	282 - 304	°C
Mold Temperature	93.3 - 110	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

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

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