

LNP™ LUBRICOMP™ RFL36SXS compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RFL36SXS is a compound based on PA 66 resin containing Glass Fiber, PTFE. Added features include Internally Lubricated, Heat Stabilized.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
	PTFE Lubricant		
Features	Heat Stabilized		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	171	MPa	ISO 527-2/5
Tensile Strain (Break)	3.1	%	ISO 527-2/5
Flexural Modulus ¹	8800	MPa	ISO 178
Flexural Stress	247	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.54		
vs. Itself - Static	0.46		
Wear Factor - Washer	12.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	248	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.3E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.0E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	

Suggested Max Moisture	0.15 to 0.25	%
Rear Temperature	266 to 277	°C
Middle Temperature	282 to 293	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	93.3 to 110	°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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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

