

LNP™ LUBRICOMP™ QFL36 compound

Polyamide 610

SABIC Innovative Plastics

Message:

LNP LUBRICOMP QFL36 is a compound based on PA 6/10 resin containing Glass Fiber, PTFE. Added features include: Internally Lubricated.

General Information			
UL YellowCard	E45329-101344462		
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8400	MPa	ISO 527-2/1
Tensile Stress (Break)	123	MPa	ISO 527-2/5
Tensile Strain (Break)	3.6	%	ISO 527-2/5
Flexural Modulus ¹	6900	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.70		ASTM D3702 Modified
With Self-Static	0.52		ASTM D3702 Modified
Wear Factor - Washer	15.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	13	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 (1.8 MPa, Unannealed, 64.0 mm Span)	201	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.7E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.1E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.12 - 0.20	%	
Rear Temperature	249 - 260	°C	
Middle Temperature	260 - 271	°C	

Front Temperature	271 - 282	°C
Processing (Melt) Temp	271 - 277	°C
Mold Temperature	82.2 - 93.3	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

NOTE

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

