

LNP™ LUBRICOMP™ RFP36 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFP36 is a compound based on Nylon 66 resin containing Glass Fiber, PTFE, Silicone.

Also known as: LNP* LUBRICOMP* Compound RFL4536

Product reorder name: RFP36

General Information			
UL YellowCard	E45329-101344612		
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE silicone lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	148	MPa	ISO 527-2/5
Tensile Strain (Break)	3.9	%	ISO 527-2/5
Flexural Modulus ¹	7000	MPa	ISO 178
Flexural Stress	211	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.56		ASTM D3702 Modified
With Self-Static	0.48		ASTM D3702 Modified
Wear Factor - Washer	11.0	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	15	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	100	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	236	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.5E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.1E-4	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
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

