

LNP™ LUBRICOMP™ RFL33 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFL33 is a compound based on Nylon 66 resin containing Glass Fiber, PTFE.

Also known as: LNP* LUBRICOMP* Compound RFL-4033

Product reorder name: RFL33

General Information			
UL YellowCard	E45329-101344595		
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.30 - 0.50	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5900	MPa	ISO 527-2/1
Tensile Stress (Break)	126	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus ²	4800	MPa	ISO 178
Flexural Stress	176	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, unannealed, 64.0mm span	261	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	243	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	3.9E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	9.5E-5	cm/cm/°C	ISO 11359-2
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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Recommended distributors for this material

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