

LNP™ LUBRICOMP™ RFL16 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP* RFL16 is a compound based on Nylon 66 resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound RFL-4016

Product reorder name: RFL16

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	183	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Modulus	9310	MPa	ASTM D790
Flexural Strength	270	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.62		ASTM D3702 Modified
With Self-Static	0.52		ASTM D3702 Modified
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 (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	254	°C	ASTM D648
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	

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Recommended distributors for this material

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