

# LNP™ LUBRICOMP™ RFN16 compound

Polyamide 6  
SABIC Innovative Plastics

Message:

LNP\* LUBRICOMP\* RFN16 is a compound based on Nylon 66 resin containing 30% Glass Fiber and MOS2. Added features of this material include: Wear Resistant.

Also known as: LNP\* LUBRICOMP\* Compound RFL-4216

Product reorder name: RFN16

General Information			
UL YellowCard	E121562-101281622		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Molybdenum Disulfide Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	9570	MPa	ASTM D638
Tensile Strength (Break)	156	MPa	ASTM D638
Tensile Elongation (Break)	2.9	%	ASTM D638
Flexural Modulus	7140	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1000	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	206	°C	ASTM D648
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.	50 mm/min	

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#### Recommended distributors for this material

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