

LNP™ LUBRICOMP™ RFN16 compound

Polyamide 6

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFN16 is a compound based on Nylon 6 resin containing Glass Fiber, MOS2. Added features of this material include: Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound PFL-4216

Product reorder name: RFN16

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Molybdenum disulfide lubricant		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	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 - 0.25	%	
Rear Temperature	249 - 260	°C	
Middle Temperature	266 - 277	°C	
Front Temperature	277 - 288	°C	
Processing (Melt) Temp	266 - 277	°C	
Mold Temperature	82.2 - 93.3	°C	
Back Pressure	0.344 - 0.689	MPa	
Screw Speed	30 - 60	rpm	
NOTE			

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Recommended distributors for this material

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