

LNP™ LUBRICOMP™ RFG16 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RFG16 is a compound based on PA 66 resin containing Glass Fiber, Graphite. Added features include: Internally Lubricated.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Graphite Powder Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.24	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9800	MPa	ISO 527-2/1
Tensile Stress (Break)	156	MPa	ISO 527-2/5
Tensile Strain (Break)	2.2	%	ISO 527-2/5
Flexural Modulus ¹	8700	MPa	ISO 178
Flexural Stress	249	MPa	ISO 178
Flexural Strain at Break ²	3.8	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	60	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.6E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.9E-5	cm/cm/°C	
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.	2.0 mm/min
2.	2 mm/min
3.	80*10*4
4.	80*10*4

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