

LNP™ LUBRICOMP™ RBG16I compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RBG16I is a compound based on Nylon 66 resin containing Glass Bead, Graphite. Added features of this material include: High Impact.

Also known as: LNP* LUBRICOMP* Compound RBL-4316 HI

Product reorder name: RBG16I

General Information			
Filler / Reinforcement	Glass Bead		
Additive	Graphite Powder Lubricant		
Features	High Impact Resistance		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4300	MPa	ISO 527-2/1
Tensile Stress (Yield)	64.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.6	%	ISO 527-2/5
Flexural Modulus ²	3500	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	223	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	78.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	7.1E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.9E-5	cm/cm/°C	
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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