

LNP™ LUBRICOMP™ MG004 compound

Polypropylene
SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP MG004 is a compound based on Polypropylene resin containing Graphite Powder.
Also known as: LNP* LUBRICOMP* Compound ML-4340
Product reorder name: MG004

General Information			
Additive	Graphite Powder Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	1.1 to 1.6	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	4.4	%	ISO 527-2/5
Flexural Modulus ²	2900	MPa	ISO 178
Flexural Stress	54.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	122	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	71.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	9.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.3E-4	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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