

LNP™ LUBRICOMP™ CG006 compound

High Impact Polystyrene

SABIC Innovative Plastics Europe

Message:

LNP* Lubricomp* CG006 is a compound based on Polystyrene resin containing Graphite.

Also known as: LNP* LUBRICOMP* Compound CL4360S NT8

Product reorder name: CG006

General Information			
Additive	Graphite Powder Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.10 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6200	MPa	ISO 527-2/1
Tensile Stress (Break)	45.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.3	%	ISO 527-2/5
Flexural Modulus ²	5400	MPa	ISO 178
Flexural Stress	72.0	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.30		ASTM D3702 Modified
Wear Factor - Washer	799	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	2.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	10	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	86.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	221 to 232	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	266 to 277	°C	
Processing (Melt) Temp	249	°C	
Mold Temperature	37.8 to 65.6	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
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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