

LNP™ LUBRICOMP™ CX05031 compound

High Impact Polystyrene
SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP CX05031 is a compound based on Polystyrene resin containing Graphite, Silicone. Added features include; Internally Lubricated.
Also known as: LNP* LUBRICOMP* Compound CL-4350 S
Product reorder name: CX05031

General Information			
Additive	Graphite Powder Lubricant		
	Silicone Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6900	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	30.0	MPa	
Break	24.0	MPa	
Tensile Strain (Yield)	0.60	%	ISO 527-2/5
Flexural Modulus ¹	6400	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	48.0	MPa	
-- ⁴	51.0	MPa	
Flexural Strain at Break ⁵	2.4	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁷ (23°C)	5.0	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁸			
0.45 MPa, Unannealed, 64.0 mm Span	87.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	81.0	°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.	2.0 mm/min	
2.	2.0 mm/min	
3.	Break	
4.	Yield	
5.	2 mm/min	
6.	80*10*4	
7.	80*10*4	
8.	80*10*4 mm	

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Recommended distributors for this material

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