

# LNP™ LUBRICOMP™ CGI11XP compound

High Impact Polystyrene

SABIC Innovative Plastics Europe

## Message:

LNP LUBRICOMP CGI11XP is a compound based on Polystyrene resin containing Graphite. Added features include: Internally Lubricated.

General Information			
Additive	Graphite Powder Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow	0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1
Tensile Stress (Break)	46.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.7	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	3100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength <sup>2</sup> (23°C)	2.0	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength <sup>3</sup> (23°C)	10	kJ/m <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>4</sup> (1.8 MPa, Unannealed, 64.0 mm Span)	80.0	°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.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

