

# LNP™ LUBRICOMP™ GX07409H compound

Polysulfone

SABIC Innovative Plastics

## Message:

LNP LUBRICOMP GX07409H is a compound based on PSU resin containing proprietary fillers. Added features of this grade include: Wear Resistant, Healthcare.

Also known as: LNP\* LUBRICOMP\* Compound GX07409H

Product reorder name: GX07409H

General Information			
Filler / Reinforcement	Proprietary		
Features	Good Wear Resistance		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.51 to 0.71	%	
Across Flow : 24 hr	0.63 to 0.83	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2520	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	68.0	MPa	
Break	48.0	MPa	
Tensile Strain			ISO 527-2/5
Yield	5.8	%	
Break	9.3	%	
Flexural Modulus <sup>1</sup>	2640	MPa	ISO 178
Flexural Stress	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength <sup>2</sup> (23°C)	9.0	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength <sup>3</sup> (23°C)	220	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)	167	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	327 to 338	°C	
Middle Temperature	338 to 349	°C	

Front Temperature	349 to 360	°C
Processing (Melt) Temp	360 to 371	°C
Mold Temperature	149	°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	

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#### Recommended distributors for this material

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