

LNP™ LUBRICOMP™ HX00059 compound

Polyamide 11

SABIC Innovative Plastics Europe

Message:

LNP * LUBRICOMP* HX00059 is a compound based on PA 11 resin, containing a Proprietary Lubricant. Added features include: Internally Lubricated.

General Information			
Additive	Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	2.6	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	41.0	MPa	
Break	41.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	120	%	
Break	230	%	
Flexural Modulus ¹	300	MPa	ISO 178
Flexural Stress	12.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ²			
0.45 MPa, Unannealed, 64.0 mm Span	120	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	48.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.1E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.9E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	199 to 210	°C	
Middle Temperature	232 to 243	°C	
Front Temperature	260 to 271	°C	
Processing (Melt) Temp	227 to 260	°C	
Mold Temperature	43.3 to 54.4	°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 mm	

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Recommended distributors for this material

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