

LNP™ LUBRICOMP™ RN001 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP* Lubricomp* RN001 is a compound based on Nylon 66 resin containing MOS2.

Also known as: LNP* LUBRICOMP* Compound NYKONR

Product reorder name: RN001

General Information			
UL YellowCard	E45329-101281604		
Additive	Molybdenum Disulfide Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2/1
Tensile Stress (Break)	77.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield	5.4	%	
Break	6.6	%	
Flexural Modulus ¹	2600	MPa	ISO 178
Flexural Stress	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	232	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	64.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	9.0E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.0E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	266 to 277	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	293 to 304	°C	

Processing (Melt) Temp	277 to 288	°C
Mold Temperature	82.2 to 93.3	°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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