

LNP™ LUBRICOMP™ RL003 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RL003 is a compound based on Nylon 66 resin containing PTFE.

Also known as: LNP* LUBRICOMP* Compound RL4030

Product reorder name: RL003

General Information			
UL YellowCard	E45329-101284434		
Additive	PTFE lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	59.0	MPa	ISO 527-2/5
Tensile Strain (Break)	7.0	%	ISO 527-2/5
Flexural Modulus ¹	2300	MPa	ISO 178
Flexural Stress	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	82.0	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.1E-4	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.2E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	266 - 277	°C	
Middle Temperature	282 - 293	°C	
Front Temperature	293 - 304	°C	
Processing (Melt) Temp	277 - 288	°C	
Mold Temperature	82.2 - 93.3	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 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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