

LNP™ LUBRICOMP™ RX05049 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RX05049 is a compound based on PA 66 resin containing Glass Fiber, PTFE, Proprietary Lubricant. Added features include; Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound RFL-4536 S-1 NAT

Product reorder name: RX05049

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Lubricant		
	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.24	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ISO 527-2/1
Tensile Stress (Break)	173	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Flexural Modulus ¹	8600	MPa	ISO 178
Flexural Stress	233	MPa	ISO 178
Flexural Strain at Break ²	3.3	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	11	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	60	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	248	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.7E-5	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	282 to 304	°C
Mold Temperature	93.3 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2 mm/min |
| 3. | 80*10*4 |
| 4. | 80*10*4 |
| 5. | 80*10*4 mm |

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