

LNP™ LUBRICOMP™ RL0039XP compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RL0039XP is a compound based on PA66 resin containing PTFE, Flame Retardant. Added features include ; Flame Retardant, internally Lubricated.

General Information			
Additive	PTFE Lubricant		
Features	Flame Retardant		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.3	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2/1
Tensile Stress (Break)	51.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.7	%	ISO 527-2/5
Flexural Modulus ¹	2700	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	83.0	MPa	
-- ⁴	82.0	MPa	
Flexural Strain at Break ⁵	4.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁷ (23°C)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁸			
0.45 MPa, Unannealed, 64.0 mm Span	149	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	89.0	°C	ISO 75-2/Af
CLTE - Flow (23 to 60°C)	7.3E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm, Testing by SABIC)	V-0		UL 94
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.	2.0 mm/min
3.	Yield
4.	Break
5.	2 mm/min
6.	80*10*4
7.	80*10*4
8.	80*10*4 mm

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