

LNP™ LUBRICOMP™ RZL36 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RZL36 is a compound based on PA 66 resin containing Milled Glass, PTFE. Added features include: Internally Lubricated.

General Information			
Filler / Reinforcement	Milled Glass Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.2	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4800	MPa	ISO 527-2/1
Tensile Stress (Yield)	54.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	2.1	%	ISO 527-2/5
Flexural Modulus ¹	4300	MPa	ISO 178
Flexural Stress	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	240	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	121	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	5.3E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.0E-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.	80*10*4	
3.	80*10*4	
4.	80*10*4 mm	

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