

LNP™ LUBRICOMP™ PFP36 compound

Polyamide 6
SABIC Innovative Plastics

Message:

LNP LUBRICOMP PFL36 is a compound based on Nylon 6 resin containing 30% Glass Fiber, 15% PTFE/Silicone. Added features of this grade include: Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound PFL-4536

Product reorder name: PFP36

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE + Silicone Lubricant (15%)		
Features	Good Wear Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	1.2 to 1.4	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2/1
Tensile Stress (Break)	55.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0 to 8.0	%	ISO 527-2
Flexural Modulus	3100	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	8.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	100	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	58.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	243 to 254	°C	
Middle Temperature	249 to 260	°C	
Front Temperature	249 to 260	°C	
Processing (Melt) Temp	254 to 266	°C	
Mold Temperature	54.4 to 93.3	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			

1.	80*10*4
2.	80*10*4
3.	80*10*4 mm

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Recommended distributors for this material

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