

LNP™ LUBRICOMP™ PFP36 compound

Polyamide 6

SABIC Innovative Plastics

Message:

LNP PFP36 is a compound based on Nylon 6 containing Glass Fiber and PTFE/Silicone. Characteristics are Impact Modifier.

Also known as: LNP* LUBRICOMP* Compound PFL-4536 BK8-115

Product reorder name: PFP36

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE silicone lubricant		
	Impact modifier		
Features	Impact modification		
	Lubrication		
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 - 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 - 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 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 - 0.25	%	
Rear Temperature	243 - 254	°C	
Middle Temperature	249 - 260	°C	
Front Temperature	249 - 260	°C	
Processing (Melt) Temp	254 - 266	°C	
Mold Temperature	54.4 - 93.3	°C	

Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 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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