

LNP™ LUBRICOMP™ QFP36 compound

Polyamide 610

SABIC Innovative Plastics

Message:

LNP LUBRICOMP* QFP36 is a compound based on Nylon 6/10 resin containing Silicone, PTFE, Glass Fiber. Added features of this material include: Internally Lubricated.

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

Product reorder name: QFP36

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE silicone lubricant		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	0.20	%	ASTM D955
Transverse flow: 24 hours	0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	137	MPa	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength	212	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
Unnotched Izod Impact (23°C)	910	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	202	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.12 - 0.20	%	
Rear Temperature	249 - 260	°C	
Middle Temperature	260 - 271	°C	
Front Temperature	271 - 282	°C	
Processing (Melt) Temp	271 - 277	°C	
Mold Temperature	82.2 - 93.3	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	

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Recommended distributors for this material

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