

LNP™ LUBRICOMP™ 9X98026 compound

Polyamide 46

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP 9X98026 is a compound based on PA4.6 resin containing Barium Sulfate, PTFE and Carbon Fiber

Also known as: LNP* LUBRICOMP* Compound PDX-STN-98026

Product reorder name: 9X98026

General Information			
Filler / Reinforcement	Barium Sulfate		
	Carbon Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.20	%	Internal Method
Water Absorption (23°C, 24 hr)	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	19300	MPa	ISO 527-2/1
Tensile Stress (Yield)	159	MPa	ISO 527-2/5
Tensile Strain (Break)	1.2	%	ISO 527-2/5
Flexural Modulus ¹	14200	MPa	ISO 178
Flexural Stress	207	MPa	ISO 178
Flexural Strain at Break ²	1.8	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	4.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	19	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	289	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	281	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.8E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	

Rear Temperature	282 to 293	°C
Middle Temperature	299 to 310	°C
Front Temperature	310 to 321	°C
Processing (Melt) Temp	310 to 321	°C
Mold Temperature	82.2 to 121	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

1.	2.0 mm/min
2.	2 mm/min
3.	80*10*4
4.	80*10*4
5.	80*10*4 mm

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