

LNP™ LUBRICOMP™ 9X06030 compound

Polyamide 46

SABIC Innovative Plastics Europe

Message:

LNP* LUBRICOMP* 9X06030 is a compound based on PA46 resin containing PTFE and Carbon Fiber. Added features include: Internally Lubricated, Heat Stabilized.

Also known as: LNP* LUBRICOMP* Compound STN-CL-4016 HS

Product reorder name: 9X06030

General Information			
Filler / Reinforcement	Carbon Fiber		
Additive	Heat Stabilizer		
	PTFE Lubricant		
Features	Heat Stabilized		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.20	%	Internal Method
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	25700	MPa	ISO 527-2/1
Tensile Stress (Yield)	260	MPa	ISO 527-2/5
Tensile Strain (Break)	1.5	%	ISO 527-2/5
Flexural Modulus ¹	19100	MPa	ISO 178
Flexural Stress	359	MPa	ISO 178
Flexural Strain at Break ²	2.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.0E-5	cm/cm/°C	
Transverse : 23 to 60°C	7.6E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+3	ohms	ASTM D257
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 |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

