

SABIC Innovative Plastics LNP LUBRICOMP 9X06030 PA 46 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-9X06030-PA-46-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Water Absorption	0.040 %	0.040 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	260 MPa	37700 psi	5 mm/min; ISO 527
Elongation at Break	1.5 %	1.5 %	5 mm/min; ISO 527
	2.5 %	2.5 %	Flexural Strain, break, 2 mm/min; ISO 178
Tensile Modulus	25.7 GPa	3730 ksi	1 mm/min; ISO 527
Flexural Yield Strength	359 MPa	52100 psi	2 mm/min; ISO 178
Flexural Modulus	19.1 GPa	2770 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	520 µm/m-°C	289 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	56.0 µm/m-°C	31.1 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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