

SABIC Innovative Plastics LNP LUBRICOMP 9X98026 PA 46 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-9X98026-PA-46-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in ³	ISO 1183
Water Absorption	1.6 %	1.6 %	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	159 MPa	23100 psi	5 mm/min; ISO 527
Elongation at Break	1.2 %	1.2 %	5 mm/min; ISO 527
	1.8 %	1.8 %	
Tensile Modulus	19.3 GPa	2800 ksi	1 mm/min; ISO 527
Flexural Yield Strength	207 MPa	30000 psi	2 mm/min; ISO 178
Flexural Modulus	14.2 GPa	2060 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	19.0 kJ/m ²	9.04 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	12.0 μm/m-°C	6.67 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	58.0 μm/m-°C	32.2 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 0.46 MPa (66 psi)	289 °C	552 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Deflection Temperature at 1.8 MPa Thermal Properties (104 psi)	281 °C Metric	538 °F English	Flatw 80*10*4 sp=64mm; ISO 75/Af Comments
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