

SABIC Innovative Plastics LNP LUBRICOMP BG004 SAN (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , SAN Polymer

Material Notes:

LNP* LUBRICOMP* BG004 is a compound based on Styrene Acrylonitril resin containing Graphite. Added features include: Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-BG004-SAN-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Water Absorption	0.19 % @Time 86400 sec	0.19 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0023 cm/cm	0.0023 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	64.0 MPa	9280 psi	5 mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
Tensile Modulus	5.70 GPa	827 ksi	1 mm/min; ISO 527
Flexural Yield Strength	102 MPa	14800 psi	2 mm/min; ISO 178
Flexural Modulus	5.80 GPa	841 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	43.0 µm/m-°C @Temperature 23.0 - 60.0 °C	23.9 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	57.0 µm/m-°C @Temperature 23.0 - 60.0 °C	31.7 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Thermal Properties	Metric	English	Comments
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