

SABIC Innovative Plastics LNP Lubricomp RFN16SXS PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/MoS2 Filled

Material Notes:

LNP* Lubricomp* RFN16SXS is a compound based on Nylon 66 resin containing Glass Fiber, MOS2. Added features of this material include: Heat Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-RFN16SXS-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	on tensile bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	162 MPa	23500 psi	5 mm/min; ISO 527
Elongation at Break	2.6 %	2.6 %	5 mm/min; ISO 527
Flexural Strength	232 MPa	33600 psi	2 mm/min; ISO 178
Flexural Modulus	8.70 GPa	1260 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature 23.0 Â°C	2.86 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ² @Temperature 23.0 Â°C	19.0 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.43	0.43	ASTM D 3702 Modified
Coefficient of Friction, Static	0.48	0.48	ASTM D 3702 Modified
K (wear) Factor	320 x 10 ⁻⁸ mm ³ /N-M	159 x 10 ⁻¹⁰ in ³ - min/ft-lb-hr	Washer; ASTM D 3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	32.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	17.8 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	249 Â°C	480 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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