

SABIC Innovative Plastics LNP Lubricomp RFL16S PA 66

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

Material Notes:

LNP* Lubricomp* RFL16S is a compound based on Nylon 66 resin containing Glass Fiber, PTFE. Added features of this material include:
Internally Lubricated, Heat Stabilized. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-RFL16S-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	183 MPa	26500 psi	ASTM D 638
Elongation at Break	3.2 %	3.2 %	ASTM D 638
Flexural Strength	268 MPa	38900 psi	ASTM D 790
Flexural Modulus	9.30 GPa	1350 ksi	ASTM D 790
Izod Impact, Notched	1.12 J/cm @Temperature 23.0 Â°C	2.10 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	10.68 J/cm @Temperature 23.0 Â°C	20.01 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812
Coefficient of Friction, Dynamic	0.62	0.62	ASTM D 3702 Modified
Coefficient of Friction, Static	0.52	0.52	ASTM D 3702 Modified
K (wear) Factor	24.2 x 10 ⁻⁸ mm ³ /N-M	12.0 x 10 ⁻¹⁰ in ³ - min/ft-lb-hr	Washer; ASTM D 3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	254 Â°C @Thickness 3.20 mm	489 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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