

SABIC Innovative Plastics LNP LUBRICOMP RFL33 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Lubricomp* RFL33 is a compound based on Nylon 66 resin containing Glass Fiber, PTFE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL33-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	126 MPa	18300 psi	5 mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5 mm/min; ISO 527
Tensile Modulus	5.90 GPa	856 ksi	1 mm/min; ISO 527
Flexural Yield Strength	176 MPa	25500 psi	2 mm/min; ISO 178
Flexural Modulus	4.80 GPa	696 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)	35.0 kJ/m ²	16.7 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	21.7 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	95.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	52.8 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	261 Å°C	502 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	243 Å°C	469 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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