

SABIC Innovative Plastics LNP Lubricomp RFL38 PA 66 (Europe-Africa-Middle East)

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

Material Notes:

LNP* Lubricomp* RFL38 is a compound based on Nylon 66 resin containing Glass Fiber, PTFE. 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-RFL38-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	on tensile bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	194 MPa	28100 psi	5 mm/min; ISO 527
Elongation at Break	2.7 %	2.7 %	5 mm/min; ISO 527
Tensile Modulus	12.9 GPa	1870 ksi	1 mm/min; ISO 527
Flexural Yield Strength	269 MPa	39000 psi	2 mm/min; ISO 178
Flexural Modulus	10.1 GPa	1460 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m ² @Temperature 23.0 °C	6.19 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	70.0 kJ/m ² @Temperature 23.0 °C	33.3 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	21.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	11.7 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	72.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	40.0 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	262 Å°C	504 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Deflection Temperature at 1.8 MPa Thermal Properties (104 psi)	253 Å°C Metric	487 Å°F English	Flatw 80*10*4 sp=64mm; ISO 75/Af Comments
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