

SABIC Innovative Plastics LNP LUBRICOMP RFG16 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RFG16 is a compound based on PA 66 resin containing Glass Fiber, Graphite. Added features include: Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFG16-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0024 cm/cm	0.0024 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	156 MPa	22600 psi	5 mm/min; ISO 527
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
	3.8 %	3.8 %	Flexural Strain, break, 2 mm/min; ISO 178
Tensile Modulus	9.80 GPa	1420 ksi	1 mm/min; ISO 527
Flexural Strength	249 MPa	36100 psi	2 mm/min; ISO 178
Flexural Yield Strength	249 MPa	36100 psi	2 mm/min; ISO 178
Flexural Modulus	8.70 GPa	1260 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	60.0 kJ/m ²	28.6 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	26.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	14.4 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	89.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	49.4 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	

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