

SABIC Innovative Plastics LNP LUBRICOMP RFL36XXZ PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RFL36XXZ is a compound based on Nylon 66 resin containing 30% Glass Fiber, 15% PTFE. Added feature of this material is: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL36XXZ-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	ISO 527
	139 MPa	20200 psi	ASTM D638
Elongation at Break	2.1 %	2.1 %	ASTM D638
	2.1 %	2.1 %	ISO 527
Flexural Strength	211 MPa	30600 psi	ISO 178
	236 MPa	34200 psi	ASTM D790
Flexural Modulus	9.70 GPa	1410 ksi	ISO 178
Dart Drop, Total Energy	10.0 J	7.38 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603
Coefficient of Friction, Dynamic	0.58	0.58	ASTM D3702 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 D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	37.8 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	21.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	@Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	
	37.9 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	21.1 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	@Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	55.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	30.6 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2

Thermal Properties

@Temperature -40.0 -
Metric 40.0 °C

@Temperature -40.0 -
English 100 °F

Comments

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