

SABIC Innovative Plastics LNP LUBRICOMP RX94033 PA6.6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RX94033 is a compound based on PA 66 resin containing Aramide Fiber, Glass Fiber, PTFE. Added features include:
Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RX94033-PA66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Water Absorption	0.81 %	0.81 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	5 mm/min; ISO 527
Elongation at Break	3.8 %	3.8 %	5 mm/min; ISO 527
Tensile Modulus	6.30 GPa	914 ksi	1 mm/min; ISO 527
Flexural Strength	167 MPa	24200 psi	2 mm/min; ISO 178
Flexural Yield Strength	168 MPa	24400 psi	2 mm/min; ISO 178
Flexural Modulus	5.30 GPa	769 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	42.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	23.3 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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	102 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	56.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	255 $\text{Å}^\circ\text{C}$	491 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Deflection Temperature at 1.8 MPa
(264 psi)
Thermal Properties

Metric C

English

Comments D+4 sp=64mm; ISO 75/Af

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