

SABIC Innovative Plastics LNP LUBRICOMP RFN1ASXS PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Lubricomp* RFN1ASXS is a compound based on Nylon 66 resin containing Glass Fiber, MOS2. Added features of this material include: Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFN1ASXS-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	226 MPa	32800 psi	5 mm/min; ISO 527
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
Tensile Modulus	17.4 GPa	2520 ksi	1 mm/min; ISO 527
Flexural Yield Strength	308 MPa	44700 psi	2 mm/min; ISO 178
Flexural Modulus	12.0 GPa	1740 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	55.0 kJ/m ²	26.2 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	23.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	12.8 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	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	62.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	34.4 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	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)	261 $\text{Å}^\circ\text{C}$	502 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	252 $\text{Å}^\circ\text{C}$	486 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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