

SABIC Innovative Plastics LNP LUBRICOMP RX05049 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RX05049 is a compound based on PA 66 resin containing Glass Fiber, PTFE, Proprietary Lubricant. Added features include; Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RX05049-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 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	173 MPa	25100 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
	3.3 %	3.3 %	Flexural Strain, break, 2 mm/min; ISO 178
Tensile Modulus	10.5 GPa	1520 ksi	1 mm/min; ISO 527
Flexural Strength	233 MPa	33800 psi	2 mm/min; ISO 178
Flexural Yield Strength	233 MPa	33800 psi	2 mm/min; ISO 178
Flexural Modulus	8.60 GPa	1250 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 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	22.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	12.2 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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	77.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	42.8 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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 1.8 MPa (264 psi)	248 $\text{Å}^\circ\text{C}$	478 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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