

## SABIC Innovative Plastics LNP LUBRICOMP HX00059 PA11 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 11

**Material Notes:**

LNP \* Lubricomp \* HX00059 is a compound based on PA 11 resin, containing a Proprietary Lubricant. Added features include: Internally Lubricated.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-HX00059-PA11-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-HX00059-PA11-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage, Flow	0.026 cm/cm	0.026 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	41.0 MPa	5950 psi	50 mm/min; ISO 527
Tensile Strength, Yield	41.0 MPa	5950 psi	50 mm/min; ISO 527
Elongation at Break	225 %	225 %	50 mm/min; ISO 527
Elongation at Yield	115 %	115 %	50 mm/min; ISO 527
Tensile Modulus	1.20 GPa	174 ksi	1 mm/min; ISO 527
Flexural Yield Strength	12.0 MPa	1740 psi	2 mm/min; ISO 178
Flexural Modulus	0.300 GPa	43.5 ksi	2 mm/min; ISO 178

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	210 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	117 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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	190 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	106 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	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)	120 $\text{Å}^\circ\text{C}$	248 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	48.0 $\text{Å}^\circ\text{C}$	118 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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