

## SABIC Innovative Plastics LNP LUBRICOMP RFN18 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

LNP\* Lubricomp\* RFN18 is a compound based on Nylon 66 resin containing Glass Fiber, MOS2.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFN18-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFN18-PA-66-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in <sup>3</sup>	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	221 MPa	32100 psi	5 mm/min; ISO 527
Elongation at Break	2.4 %	2.4 %	5 mm/min; ISO 527
Tensile Modulus	14.5 GPa	2100 ksi	1 mm/min; ISO 527
Flexural Strength	306 MPa	44400 psi	2 mm/min; ISO 178
Flexural Modulus	11.4 GPa	1650 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	80.0 kJ/m <sup>2</sup>	38.1 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.75	0.75	ASTM D3702 Modified
Coefficient of Friction, Static	0.59	0.59	ASTM D3702 Modified
K (wear) Factor	90.6 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	45.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	262 Â°C	504 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	251 Â°C	484 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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