

## SABIC Innovative Plastics LNP LUBRICOMP RL004S PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

LNP\* Lubricomp\* RL004S is a compound based on Nylon 66 resin containing PTFE. 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-RL004S-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RL004S-PA-66-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.018 - 0.023 cm/cm	0.018 - 0.023 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	61.0 MPa	8850 psi	5 mm/min; ISO 527
Elongation at Break	11.3 %	11.3 %	5 mm/min; ISO 527
Tensile Modulus	2.70 GPa	392 ksi	1 mm/min; ISO 527
Flexural Yield Strength	90.0 MPa	13100 psi	2 mm/min; ISO 178
Flexural Modulus	2.40 GPa	348 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.23	0.23	ASTM D3702 Modified
Coefficient of Friction, Static	0.21	0.21	ASTM D3702 Modified
K (wear) Factor	32.2 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	16.0 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)	219 Â°C	426 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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