

## SABIC Innovative Plastics LNP LUBRICOMP RFL36S PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP\* LUBRICOMP\* RFL36S is a compound based on Nylon 66 resin containing 30% Glass Fiber, 15% PTFE. Added features of this material include: Wear Resistant, Heat Stabilized.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL36S-PA-66.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL36S-PA-66.php)

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	ISO 527
	139 MPa	20200 psi	ASTM D638
Elongation at Break	2.1 %	2.1 %	ASTM D638
	2.1 %	2.1 %	ISO 527
Flexural Strength	211 MPa	30600 psi	ISO 178
	236 MPa	34200 psi	ASTM D790
Flexural Modulus	9.70 GPa	1410 ksi	ISO 178
Dart Drop, Total Energy	10.0 J	7.38 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603
Coefficient of Friction, Dynamic	0.58	0.58	ASTM D3702 Modified
K (wear) Factor	24.2 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	12.0 x 10 <sup>-10</sup> in <sup>3</sup> - min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	37.8 Åµm/m-Å°C	21.0 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	37.9 Åµm/m-Å°C	21.1 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	55.0 Åµm/m-Å°C	30.6 Åµin/in-Å°F	ISO 11359-2

Thermal Properties

@Temperature -40.0 -  
Metric 40.0 °C

@Temperature -40.0 -  
English 100 °F

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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