

**SABIC Innovative Plastics LNP LUBRICOMP RX05496 PA 66**

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

LNP\* LUBRICOMP\* RX05496 is a compound based on Nylon 66 resin containing 30% Mixed Glass, 15% PTFE, Silicone. Added features of this material include: Wear Resistant.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RX05496-PA-66.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RX05496-PA-66.php)

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Time 86400 sec	0.0010 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	ASTM D638
Elongation at Break	2.8 %	2.8 %	ASTM D638
Tensile Modulus	8.35 GPa	1210 ksi	50 mm/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	6.84 GPa	992 ksi	ASTM D790
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.04 J/cm	16.9 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	243 Å°C @Thickness 3.20 mm	469 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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