

SABIC Innovative Plastics LNP LUBRICOMP RAL22 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RAL22 is a compound based on PA66 resin containing PTFE, Aramid Fiber. Added Features: Internally Lubricated

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RAL22-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	71.0 MPa	10300 psi	5 mm/min; ISO 527
Tensile Strength, Yield	72.0 MPa	10400 psi	5 mm/min; ISO 527
Elongation at Break	8.4 %	8.4 %	Flexural Strain, break, 2 mm/min; ISO 178
Elongation at Yield	7.4 %	7.4 %	5 mm/min; ISO 527
Tensile Modulus	3.60 GPa	522 ksi	1 mm/min; ISO 527
Flexural Strength	106 MPa	15400 psi	2 mm/min; ISO 178
Flexural Yield Strength	109 MPa	15800 psi	2 mm/min; ISO 178
Flexural Modulus	3.40 GPa	493 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.54	0.54	ASTM D3702 Modified
Coefficient of Friction, Static	0.45	0.45	ASTM D3702 Modified
K (wear) Factor	26.2 x 10 ⁻⁸ mm ³ /N-M	13.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 Â°C	199 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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