

SABIC Innovative Plastics LNP Thermocomp RB004 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RB004 is a compound based on PA 66 resin containing Glass Beads. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RB004-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	5 mm/min; ISO 527
Elongation at Break	5.0 %	5.0 %	5 mm/min; ISO 527
Tensile Modulus	4.30 GPa	624 ksi	1 mm/min; ISO 527
Flexural Yield Strength	100 MPa	14500 psi	2 mm/min; ISO 178
Flexural Modulus	3.30 GPa	479 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ² @Temperature 23.0 Â°C	2.38 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ² @Temperature 23.0 Â°C	11.9 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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