

SABIC Innovative Plastics LNP Thermocomp RFB53SUZ PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

Material Notes:

LNP THERMOCOMP* RFB53SUZ is a compound based on Nylon 66 resin containing Glass Bead, Glass Fiber. Added features of this material include: Heat Stabilized. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RFB53SUZ-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Time 86400 sec	0.0030 - 0.0050 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	9.00 GPa	1310 ksi	1 mm/min; ISO 527
Flexural Strength	170 MPa	24700 psi	ISO 178
Flexural Modulus	7.70 GPa	1120 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 Â°C	3.33 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	38.0 kJ/m ² @Temperature 23.0 Â°C	18.1 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)	215 Â°C	419 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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