

SABIC Innovative Plastics LNP Thermocomp RFB53U PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP*THERMOCOMP*RFB53U is a compound based on PA 66 resin containing Glass Bead, Glass Fiber. Added features include: UV-Stabilized. 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-RFB53U-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ISO 1183
Water Absorption	1.1 % @Temperature 23.0 Â°C, Time 86400 sec	1.1 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	131 MPa	19000 psi	5 mm/min; ISO 527
Elongation at Break	2.6 %	2.6 %	5 mm/min; ISO 527
Tensile Modulus	7.20 GPa	1040 ksi	1 mm/min; ISO 527
Flexural Yield Strength	201 MPa	29200 psi	2 mm/min; ISO 178
Flexural Modulus	7.50 GPa	1090 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature 23.0 Â°C	2.86 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m ² @Temperature 23.0 Â°C	14.3 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	42.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	23.3 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	86.0 Âµm/m-Â°C	47.8 Âµin/in-Â°F	ISO 11359-2

Thermal Properties	@Temperature 23.0 - Metric 23.0 Â°C	@Temperature 73.4 - English 73.4 Â°F	Comments
Deflection Temperature at 0.46 MPa (66 psi)	253 Â°C	487 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	229 Â°C	444 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China