

SABIC Innovative Plastics LNP Thermocomp RFB24 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RFB24 is a compound based on PA 66 resin containing Glass Bead, Glass Fiber. 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-RFB24-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Water Absorption	1.2 % @Temperature 23.0 °C, Time 86400 sec	1.2 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	147 MPa	21300 psi	5 mm/min; ISO 527
Elongation at Break	3.4 %	3.4 %	5 mm/min; ISO 527
Tensile Modulus	7.80 GPa	1130 ksi	1 mm/min; ISO 527
Flexural Strength	213 MPa	30900 psi	2 mm/min; ISO 178
Flexural Yield Strength	215 MPa	31200 psi	2 mm/min; ISO 178
Flexural Modulus	6.50 GPa	943 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ² @Temperature 23.0 °C	3.81 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	35.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	19.4 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2

Thermal Properties CTE, linear, Transverse to Flow	101 Åum/m-Å°C Metric	56.1 Åuin/in-Å°F English	Comments ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	257 Å°C	495 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	238 Å°C	460 Å°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