

SABIC Innovative Plastics LNP Thermocomp RFC16 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RFC16 is a compound based on PA 66 resin containing Glass Fiber, Carbon Fiber. Added features include: Easy Molding. 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-RFC16-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	141 MPa	20500 psi	5 mm/min; ISO 527
Elongation at Yield	2.9 %	2.9 %	5 mm/min; ISO 527
Tensile Modulus	9.00 GPa	1310 ksi	1 mm/min; ISO 527
Flexural Yield Strength	215 MPa	31200 psi	2 mm/min; ISO 178
Flexural Modulus	7.90 GPa	1150 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ² @Temperature 23.0 Â°C	4.76 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	55.0 kJ/m ² @Temperature 23.0 Â°C	26.2 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	19.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	10.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	91.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	50.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	211 Â°C	412 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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