

SABIC Innovative Plastics LNP Thermocomp RF006EU PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RF006EU is a compound based on PA 66 resin containing Glass Fiber. Added features include: Easy Molding, 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-RF006EU-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Water Absorption	3.0 % @Temperature 23.0 °C, Time 86400 sec	3.0 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	170 MPa	24700 psi	5 mm/min; ISO 527
Elongation at Yield	3.3 %	3.3 %	5 mm/min; ISO 527
Tensile Modulus	8.80 GPa	1280 ksi	1 mm/min; ISO 527
Flexural Yield Strength	233 MPa	33800 psi	2 mm/min; ISO 178
Flexural Modulus	7.60 GPa	1100 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ² @Temperature 23.0 °C	6.66 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	80.0 kJ/m ² @Temperature 23.0 °C	38.1 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	24.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	13.3 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	215 Å°C	419 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Åf

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