

SABIC Innovative Plastics LNP Thermocomp MF004S PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* THERMOCOMP* MF004S is a compound based on Polypropylene resin, containing Glass Fiber. Added features include; Chemically Coupled. 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-MF004S-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	78.0 MPa	11300 psi	50 mm/min; ISO 527
Elongation at Yield	3.1 %	3.1 %	50 mm/min; ISO 527
Tensile Modulus	4.70 GPa	682 ksi	1 mm/min; ISO 527
Flexural Yield Strength	102 MPa	14800 psi	2 mm/min; ISO 178
Flexural Modulus	4.10 GPa	595 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ² @Temperature 23.0 Â°C	3.81 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ² @Temperature 23.0 Â°C	16.7 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	44.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	24.4 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	133 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	73.9 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	131 Â°C	268 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af

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