

## SABIC Innovative Plastics LNP Thermocomp MF0044E PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

LNP\* THERMOCOMP\* MF0044E is a compound based on Polypropylene resin containing Glass Fiber, Flame Retardant. Added features include: Non-Halogen Flame Retardant, 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-MF0044E-PP-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-MF0044E-PP-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	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	60.0 MPa	8700 psi	5 mm/min; ISO 527
Elongation at Break	3.9 %	3.9 %	5 mm/min; ISO 527
Flexural Yield Strength	80.0 MPa	11600 psi	2 mm/min; ISO 178
Flexural Modulus	4.60 GPa	667 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	4.28 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	14.3 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132 °C	270 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	UL 94 by SABIC-IP

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