

## SABIC Innovative Plastics LNP THERMOCOMP MB006SXP PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

LNP\* Thermocomp\* MB006SXP is a compound based on Polypropylene resin containing Glass Bead. Added features include: Heat Stabilized.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MB006SXP-PP-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MB006SXP-PP-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	50 mm/min; ISO 527
Elongation at Yield	7.1 %	7.1 %	50 mm/min; ISO 527
Tensile Modulus	1.90 GPa	276 ksi	1 mm/min; ISO 527
Flexural Yield Strength	36.0 MPa	5220 psi	2 mm/min; ISO 178
Flexural Modulus	1.70 GPa	247 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	107 $\mu\text{m/m-}^\circ\text{C}$	59.4 $\mu\text{in/in-}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
CTE, linear, Transverse to Flow	120 $\mu\text{m/m-}^\circ\text{C}$	66.7 $\mu\text{in/in-}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	62.0 $^\circ\text{C}$	144 $^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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