

## SABIC Innovative Plastics LNP Thermocomp WB006 PBT (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Bead Filled

### Material Notes:

LNP\* THERMOCOMP\* WB006 is a compound based on Polybutylene Terephthalate resin containing Glass Bead. 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-WB006-PBT-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-WB006-PBT-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	5 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527
Flexural Yield Strength	81.0 MPa	11700 psi	2 mm/min; ISO 178
Flexural Modulus	3.30 GPa	479 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	11.9 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)	83.0 °C	181 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D 257
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D 257

## **Contact Songhan Plastic Technology Co.,Ltd.**

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