

## SABIC Innovative Plastics LNP THERMOCOMP WC006 PBT (Europe-Africa-Middle East)

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

**Material Notes:**

LNP\* Thermocomp\* WC006 is a compound based on Polybutylene Terephthalate resin containing Carbon Fiber.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WC006-PBT-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WC006-PBT-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	151 MPa	21900 psi	5 mm/min; ISO 527
Elongation at Break	1.0 - 2.0 %	1.0 - 2.0 %	5 mm/min; ISO 527
Flexural Strength	214 MPa	31000 psi	2 mm/min; ISO 178
Flexural Modulus	16.1 GPa	2340 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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