

## SABIC Innovative Plastics LNP Thermocomp PX05046 PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

LNP\* THERMOCOMP\* PX05046 is a compound based on PA 6 resin containing Glass Bead, Glass Fiber. Added features include: Heat Stabilized, UV-Stabilized. 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-PX05046-PA-6-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-PX05046-PA-6-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	95.0 MPa	13800 psi	5 mm/min; ISO 527
Elongation at Break	>= 3.0 %	>= 3.0 %	5 mm/min; ISO 527
Tensile Modulus	5.80 GPa	841 ksi	1 mm/min; ISO 527
Flexural Yield Strength	145 MPa	21000 psi	2 mm/min; ISO 178
Flexural Modulus	4.70 GPa	682 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	2.86 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	19.0 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)	175 °C	347 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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