

**SABIC Innovative Plastics LNP THERMOCOMP MX06402H PP**

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

LNP\* THERMOCOMP\* MX06402H is a compound based on Polypropylene resin containing 20% Glass Fiber. Added features of this material include: Heat Stabilized, Low Extractable.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MX06402H-PP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MX06402H-PP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.0100 %	0.0100 %	23 <sup>o</sup> C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm @Time 86400 sec	0.0070 - 0.0090 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.010 - 0.030 cm/cm @Time 86400 sec	0.010 - 0.030 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.0 MPa	4930 psi	Type I, 5 mm/min; ASTM D638
	35.0 MPa	5080 psi	5 mm/min; ISO 527
Tensile Strength, Yield	37.0 MPa	5370 psi	5 mm/min; ISO 527
	38.0 MPa	5510 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.7 %	2.7 %	5 mm/min; ISO 527
	3.4 %	3.4 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	1.7 %	1.7 %	5 mm/min; ISO 527
	2.0 %	2.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	5.35 GPa	776 ksi	1 mm/min; ISO 527
	6.39 GPa	927 ksi	50 mm/min; ASTM D638
Flexural Strength	65.0 MPa	9430 psi	ISO 178
Flexural Yield Strength	66.0 MPa	9570 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.69 GPa	680 ksi	2 mm/min; ISO 178

Mechanical Properties	Metric	English	Comments
	4.70 GPa	682 ksi	1.4 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.95 J/cm	3.65 ft-lb/in	ASTM D4812
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)	13.0 kJ/m <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	12.0 J @Temperature 23.0 Â°C	8.85 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	45.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	25.0 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	101 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	56.1 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	134 Â°C	273 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	143 Â°C @Thickness 3.20 mm	289 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	103 Â°C @Thickness 3.20 mm	217 Â°F @Thickness 0.126 in	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China