

## SABIC Innovative Plastics LNP THERMOCOMP WH0270B PBT (Asia Pacific)

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

### Material Notes:

LNP THERMOCOMP\* WH0270B is a compound based on Polybutylene Terephthalate resin containing High Specific Gravity Filler. Added features of this material include: High Specific Gravity.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WH0270B-PBT-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WH0270B-PBT-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	2.70 g/cc	0.0975 lb/in <sup>3</sup>	ASTM D792
	2.70 g/cc	0.0975 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.0700 %	0.0700 %	23 <sup>o</sup> C / 50% RH; ISO 62
	0.0900 %	0.0900 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527
	46.0 MPa	6670 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ISO 527
	1.6 %	1.6 %	ASTM D638
Elongation at Yield	1.3 %	1.3 %	ISO 527
Tensile Modulus	7.50 GPa	1090 ksi	1 mm/min; ISO 527
	9.99 GPa	1450 ksi	50 mm/min; ASTM D638
Flexural Strength	74.0 MPa	10700 psi	ISO 178

Mechanical Properties	81.0 MPa Metric	11700 psi English	ASTM D790 Comments
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790
	9.51 GPa	1380 ksi	ISO 178
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.44 J/cm	2.70 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	4.00 J	2.95 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	1.00 J	0.738 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	186 Â°C	367 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	191 Â°C	376 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

## 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