

## SABIC Innovative Plastics LNP THERMOTUF WF006I PBT

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

### Material Notes:

LNP THERMOTUF\* WF006I is a compound based on PBT containing 30% Glass Fiber. Added features of this material include: High Impact.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOTUF-WF006I-PBT.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOTUF-WF006I-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ISO 1183
	1.474 g/cc	0.05325 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0029 cm/cm	0.0029 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0129 cm/cm	0.0129 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.013 cm/cm	0.013 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	106 MPa	15400 psi	ASTM D638
Tensile Strength, Yield	107 MPa	15500 psi	ASTM D638
	109 MPa	15800 psi	ISO 527
Elongation at Break	2.8 %	2.8 %	ISO 527
	3.9 %	3.9 %	ASTM D638
Elongation at Yield	2.1 %	2.1 %	ISO 527
	3.2 %	3.2 %	ASTM D638
Tensile Modulus	6.52 GPa	946 ksi	1 mm/min; ISO 527
	8.96 GPa	1300 ksi	50 mm/min; ASTM D638
Flexural Strength	173 MPa	25100 psi	ASTM D790
	181 MPa	26300 psi	ISO 178

Mechanical Properties	Metric	English	Comments
	8.62 GPa	1250 ksi	ISO 178
Izod Impact, Notched	1.86 J/cm	3.48 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.98 J/cm	18.7 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	20.0 kJ/m <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	64.0 kJ/m <sup>2</sup>	30.5 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	17.0 J	12.5 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C @Thickness 3.20 mm	410 °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