

## SABIC Innovative Plastics LNP THERMOTUF PX07437 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Compound based on Nylon 6 resin containing glass fiber and impact modifier.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOTUF-PX07437-PA-6.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOTUF-PX07437-PA-6.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm @Time 86400 sec	0.0030 - 0.0040 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0080 - 0.0090 cm/cm @Time 86400 sec	0.0080 - 0.0090 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	94.0 MPa	13600 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	97.0 MPa	14100 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	4.5 %	4.5 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	3.4 %	3.4 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	5.20 GPa	754 ksi	50 mm/min; ASTM D638
Flexural Strength	150 MPa	21800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.65 GPa	674 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	2.00 J/cm	3.75 ft-lb/in	ASTM D256
Izod Impact, Unnotched	10.7 J/cm	20.0 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	5.00 J	3.69 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
	25.0 J @Temperature 23.0 Â°C	18.4 ft-lb @Temperature 73.4 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa	190 Â°C	374 Â°F	unannealed; ASTM D648

(264 psi) Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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