

## SABIC Innovative Plastics LNP Thermotuf PC006I PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

LNP\* Thermotuf\* PC006I is a compound based on Nylon 6 resin containing Carbon Fiber, Impact Modifier. Added features of this material include: High Impact. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Thermotuf-PC006I-PA-6.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermotuf-PC006I-PA-6.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	177 MPa	25700 psi	ASTM D 638
Elongation at Break	2.5 %	2.5 %	ASTM D 638
Tensile Modulus	29.16 GPa	4229 ksi	50 mm/min; ASTM D 638
Flexural Strength	303 MPa	43900 psi	ASTM D 790
Flexural Modulus	15.76 GPa	2286 ksi	ASTM D 790
Izod Impact, Notched	1.97 J/cm @Temperature 23.0 Â°C	3.69 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	10.68 J/cm @Temperature 23.0 Â°C	20.01 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	208 Â°C @Thickness 3.20 mm	406 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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