

**SABIC Innovative Plastics LNP THERMOCOMP PF005S PA 6 (Asia Pacific)**

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

LNP\* Thermocomp\* PF005S is a compound based on Nylon 6 resin containing Glass Fiber. Added features of this material include: Heat Stabilized.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PF005S-PA-6-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PF005S-PA-6-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	124 MPa	18000 psi	ASTM D638
Elongation at Break	2.4 %	2.4 %	ASTM D638
Tensile Modulus	8.33 GPa	1210 ksi	50 mm/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	6.13 GPa	889 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.74 J/cm	12.6 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 Å°C @Thickness 3.20 mm	392 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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