

**SABIC Innovative Plastics LNP THERMOCOMP PFB91S PA 6**

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

LNP\* THERMOCOMP\* PFB91S is a compound based on Nylon 6 resin containing Proprietary Filler(s).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PFB91S-PA-6.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-PFB91S-PA-6.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	62.0 MPa	8990 psi	Type I, 5 mm/min; ASTM D638
	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	2.7 %	2.7 %	Type I, 5 mm/min; ASTM D638
	2.7 %	2.7 %	ASTM D638
Tensile Modulus	7.49 GPa	1090 ksi	50 mm/min; ASTM D638
Flexural Modulus	6.04 GPa	876 ksi	1.3 mm/min, 50 mm span; ASTM D790
	6.04 GPa	876 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.83 J/cm	5.30 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	163 °C	325 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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