

## SABIC Innovative Plastics LNP Thermocomp PFB42U PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Bead Filled

### Material Notes:

LNP STARAMIDE PFB42U is a compound based on Nylon 6 resin containing Glassfiber and Glass Beads Additional features include Heat Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Thermocomp-PFB42U-PA-6-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-PFB42U-PA-6-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	5 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527
Flexural Strength	140 MPa	20300 psi	2 mm/min; ISO 178
Flexural Modulus	4.40 GPa	638 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	170 °C @Treatment Temp. 120 °C, Time 7200 sec	338 °F @Treatment Temp. 248 °F, Time 2.00 hour	annealed; ISO 75/Ae
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	UL 94 by SABIC-IP

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