

## SABIC Innovative Plastics LNP Thermotuf R1000IX4 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

**Material Notes:**

High Impact Nylon 66 compound containing Impact Modifier. 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-Thermotuf-R1000IX4-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermotuf-R1000IX4-PA-66-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.011 - 0.015 cm/cm @Time 86400 sec	0.011 - 0.015 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	ISO 527
Elongation at Break	70 %	70 %	ISO 527
Tensile Modulus	2.20 GPa	319 ksi	1 mm/min; ISO 527
Flexural Strength	50.0 MPa	7250 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Izod Impact, Notched (ISO)	55.0 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	26.2 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	98.0 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	46.6 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.0 Â°C	149 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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