

SABIC Innovative Plastics LNP Thermotuf P1000EI3 PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Impact Grade

Material Notes:

High Impact Nylon 6 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-P1000EI3-PA-6-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.019 - 0.021 cm/cm @Time 86400 sec	0.019 - 0.021 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.019 - 0.021 cm/cm @Time 86400 sec	0.019 - 0.021 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527
Elongation at Break	100 %	100 %	ISO 527
Tensile Modulus	1.80 GPa	261 ksi	1 mm/min; ISO 527
Izod Impact, Notched (ISO)	44.0 kJ/m ² @Temperature 23.0 °C	20.9 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	96.0 kJ/m ² @Temperature 23.0 °C	45.7 ft-lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	51.0 °C	124 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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