

LNP* Thermotuf* R1000IX2

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* THERMOTUF* R1000IX2 is a compound based on PA 66 resin, containing Impact Modifier. Added features include: High Impact.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Thermotuf*
Availability	• Europe
Additive	• Impact Modifier
Features	• High Impact Resistance • Impact Modified
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.13 g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.0 to 1.5 %	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2200 MPa	ISO 527-2/1
Tensile Stress (Yield)	65.0 MPa	ISO 527-2/50
Tensile Strain (Break)	> 40 %	ISO 527-2/50
Flexural Modulus ³	2000 MPa	ISO 178
Flexural Strength ^{3,4}	70.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁵ (23°C)	13 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁵ (23°C)	No Break	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁶		
0.45 MPa, Unannealed, 64.0 mm Span	160 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	65.0 °C	ISO 75-2/Af

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.15 to 0.25 %
Rear Temperature	266 to 277 °C
Middle Temperature	282 to 293 °C
Front Temperature	293 to 304 °C
Processing (Melt) Temp	282 to 304 °C
Mold Temperature	93.3 to 110 °C
Back Pressure	0.172 to 0.344 MPa
Screw Speed	30 to 60 rpm

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Notes

- ¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- ² Typical properties: these are not to be construed as specifications.
- ³ 2.0 mm/min
- ⁴ Yield
- ⁵ 80*10*4
- ⁶ 80*10*4 mm

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SABIC Innovative Plastics Europe

Where to Buy

Supplier

SABIC Innovative Plastics Europe

, Netherlands

Telephone: +36-1-238-5060

Web: <http://www.sabic-ip.com/>

Distributor

Please contact the supplier to find a distributor for LNP* Thermotuf* R1000IX2



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