

LNP* Thermotuf* R1000I

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

High Impact Nylon 66 compound containing Impact Modifier.

Also known as: LNP* Thermotuf* Compound R-1000 HI 020
Product reorder name: R1000I

General

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

Physical	Nominal Value Unit	Test Method
Density	1.09 g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	1.1 to 1.5 %	ISO 294-4

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2200 MPa	ISO 527-2/1
Tensile Stress (Break)	45.0 MPa	ISO 527-2
Tensile Strain (Break)	70 %	ISO 527-2
Flexural Modulus	1400 MPa	ISO 178
Flexural Strength	50.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	55 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	98 kJ/m ²	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁴ 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	249 to 260 °C
Middle Temperature	254 to 266 °C
Front Temperature	260 to 271 °C
Processing (Melt) Temp	266 to 277 °C
Mold Temperature	60.0 to 98.9 °C
Back Pressure	0.172 to 0.344 MPa
Screw Speed	30 to 60 rpm

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 80*10*4

⁴ 80*10*4 mm

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SABIC Innovative Plastics

Where to Buy

Supplier

SABIC Innovative Plastics

Pittsfield, MA USA

Telephone: 800-845-0600

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

Distributor

Nexeo Solutions

Telephone: 800-531-7106

Web: <http://www.nexeosolutions.com/>

Availability: North America



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– Kevin Chase, Owner & President, Chase Plastics



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