# LNP™ THERMOTUF™ R1000I compound

Polyamide 66

SABIC Innovative Plastics

## Message:

High Impact Nylon 66 compound containing Impact Modifier.
Also known as: LNP* THERMOTUF* Compound R-1000 HI 020
Product reorder name: R1000I

| General Information | | | |
|---|---|---|---|
| Additive | Impact modifier | | |
| Features | Impact modification<br>Impact resistance, high | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.09 | g/cm³ | ISO 1183 |
| Molding Shrinkage - Flow (24 hr) | 1.1 - 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 Stress | 50.0 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact [1] (23°C) | 55 | kJ/m² | ISO 180/1A |
| Unnotched Izod Impact Strength [2] (23°C) | 98 | kJ/m² | ISO 180/1U |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature [3] (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 - 0.25 | % | |
| Rear Temperature | 249 - 260 | °C | |
| Middle Temperature | 254 - 266 | °C | |
| Front Temperature | 260 - 271 | °C | |
| Processing (Melt) Temp | 266 - 277 | °C | |
| Mold Temperature | 60.0 - 98.9 | °C | |
| Back Pressure | 0.172 - 0.344 | MPa | |
| Screw Speed | 30 - 60 | rpm | |
| NOTE | | | |

| | |
|---|---|
| 1. | 80*10*4 |
| 2. | 80*10*4 |
| 3. | 80*10*4 mm |



## Recommended distributors for this material

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