

LNP™ THERMOTUF™ R1000I compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP THERMOTUF R1000I is a compound based on Nylon 66 resin containing Impact Modifier. Added feature of this material is: High Impact.
Also known as: LNP* THERMOTUF* Compound R-1000 HI
Product reorder name: R1000I

General Information			
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 Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	55	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	98	kJ/m ²	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 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	
NOTE			

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

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Recommended distributors for this material

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