

LNP™ THERMOTUF™ RF002I compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP THERMOTUF* RF002I is a compound based on Nylon 66 resin containing 10% Glass Fiber. Added features of this material include: High Impact.
Also known as: LNP* THERMOTUF* Compound RF-1002 HI
Product reorder name: RF002I

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4830	MPa	ASTM D638
Tensile Strength (Break)	108	MPa	ASTM D638
Tensile Elongation (Break)	4.1	%	ASTM D638
Flexural Modulus	4340	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	750	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	204	°C	ASTM D648
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	
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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