

LNP™ THERMOTUF™ VF003 compound

Polyamide
SABIC Innovative Plastics

Message:

LNP THERMOTUF VF003 is a compound based on Super Touch Nylon resin containing 15% Glass Fiber. Added features of this material include: High Impact.
Also known as: LNP* THERMOTUF* Compound VF-1003
Product reorder name: VF003

General Information			
UL YellowCard	E121562-101283829		
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	High Impact Resistance		
	Ultra High Toughness		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	5010	MPa	ASTM D638
Tensile Strength (Break)	77.2	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Modulus	4490	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
Unnotched Izod Impact (23°C)	610	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	241	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	260 to 271	°C	
Middle Temperature	277 to 288	°C	
Front Temperature	293 to 304	°C	
Processing (Melt) Temp	282 to 293	°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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