

# LNP™ THERMOTUF™ VF008 compound

Polyamide  
SABIC Innovative Plastics

Message:

LNP THERMOTUF\* VF008 is a compound based on Nylon resin containing Glass Fiber. Added features of this material include: High Impact.  
Also known as: LNP\* THERMOTUF\* Compound VF-1008  
Product reorder name: VF008

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Impact resistance, high		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm³	ASTM D792
Water Absorption (24 hr, 50% RH)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	131	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Unnotched Izod Impact (23°C)	890	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	245	°C	ASTM D648
CLTE - Flow (-40 to 40°C)	3.2E-5	cm/cm/°C	ASTM E831
Thermal Conductivity	0.38	W/m/K	ASTM E1530
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	260 - 271	°C	
Middle Temperature	277 - 288	°C	
Front Temperature	293 - 304	°C	
Processing (Melt) Temp	282 - 293	°C	
Mold Temperature	93.3 - 110	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	

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#### Recommended distributors for this material

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