

LNP™ THERMOTUF™ VX00585 compound

Polyamide
SABIC Innovative Plastics

Message:

LNP THERMOTUF VX00585 is a compound based on Super Tough Nylon resin containing Glass Fiber. Added features of this material include: High Impact.

Also known as: LNP* THERMOTUF* Compound PDX-V-00585

Product reorder name: VX00585

General Information			
Filler / Reinforcement	Glass Fiber		
Features	High Impact Resistance		
	Ultra High Toughness		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	8180	MPa	ASTM D638
Tensile Strength (Break)	115	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Modulus	7860	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Unnotched Izod Impact (23°C)	960	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	221	°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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