

LNP™ THERMOTUF™ VC006 compound

Polyamide

SABIC Innovative Plastics

Message:

LNP THERMOTUF VC006 is a compound based on Super Tough Nylon 6/6 resin containing Carbon Fiber. Added features of this material include: High Impact.

Also known as: LNP* THERMOTUF* Compound VC-1006

Product reorder name: VC006

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Impact resistance, high		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	16400	MPa	ASTM D638
Tensile Strength (Break)	158	MPa	ASTM D638
Tensile Elongation (Break)	2.4	%	ASTM D638
Flexural Modulus	14600	MPa	ASTM D790
Flexural Strength	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Unnotched Izod Impact (23°C)	840	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	247	°C	ASTM D648
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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