

# LNPT<sup>™</sup> THERMOTUF<sup>™</sup> COMPOUND VC006

VC-1006

REGION ASIA

## DESCRIPTION

LNP THERMOTUF VC006 compound is based on Super Tough Nylon resin containing 30% carbon fiber. Added features of this grade include: Impact Modified, Electrically Conductive.

GENERAL INFORMATION	
Features	Electrically Conductive, Carbon fiber filled, High stiffness/Strength, Impact resistant
Fillers	Carbon Fiber
Polymer Types	Polyamide 66 (Nylon 66)
Processing Techniques	Injection Molding
INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical, Defense

## TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL <sup>(1)</sup></b>			
Tensile Stress, break	157	MPa	ASTM D638
Tensile Strain, break	2.4	%	ASTM D638
Tensile Modulus, 50 mm/min	16370	MPa	ASTM D638
Flexural Stress	241	MPa	ASTM D790
Flexural modulus	14550	MPa	ASTM D790
<b>IMPACT <sup>(1)</sup></b>			
Izod Impact, unnotched, 23°C	843	J/m	ASTM D4812
Izod Impact, notched, 23°C	149	J/m	ASTM D256
<b>THERMAL <sup>(1)</sup></b>			
HDT, 1.82 MPa, 3.2mm, unannealed	250	°C	ASTM D648
<b>PHYSICAL <sup>(1)</sup></b>			
Density	1.22	g/cm <sup>3</sup>	ASTM D792

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.



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