# LNP™ THERMOTUF™ 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 20260204

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| **MECHANICAL** [1] | | | |
| **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 |
| **IMPACT** [1] | | | |
| **Izod Impact, unnotched, 23°C** | 843 | J/m | ASTM D4812 |
| **Izod Impact, notched, 23°C** | 149 | J/m | ASTM D256 |
| **THERMAL** [1] | | | |
| **HDT, 1.82 MPa, 3.2mm, unannealed** | 250 | °C | ASTM D648 |
| **PHYSICAL** [1] | | | |
| **Density** | 1.22 | g/cm³ | 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.

© 2026 Copyright by SABIC. All rights reserved

## DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

© 2026 Copyright by SABIC. All rights reserved