

SABIC Innovative Plastics LNP THERMOTUF VF008 PA 66 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP THERMOTUF* VF008 is a compound based on Nylon resin containing Glass Fiber. Added features of this material include: High Impact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOTUF-VF008-PA-66-Asia-Pacific.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|---------------------------|
| Density | 1.40 g/cc | 0.0506 lb/in ³ | ASTM D792 |
| Moisture Absorption | 0.500 % | 0.500 % | 50% RH, 24 hrs; ASTM D570 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|---------------|------------|
| Tensile Strength at Break | 131 MPa | 19000 psi | ASTM D638 |
| Elongation at Break | 3.0 % | 3.0 % | ASTM D638 |
| Flexural Strength | 193 MPa | 28000 psi | ASTM D790 |
| Flexural Modulus | 9.64 GPa | 1400 ksi | ASTM D790 |
| Izod Impact, Notched | 1.92 J/cm | 3.60 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 8.91 J/cm | 16.7 ft-lb/in | ASTM D4812 |

| Thermal Properties | Metric | English | Comments |
|---|-------------------------------|------------------------------|-----------------------|
| CTE, linear, Parallel to Flow | 32.4 Åµm/m-Å°C | 18.0 Åµin/in-Å°F | ASTM E 831 |
| | @Temperature -40.0 - 40.0 Å°C | @Temperature -40.0 - 104 Å°F | |
| Thermal Conductivity | 0.380 W/m-K | 2.64 BTU-in/hr-ftÅ²-Å°F | ASTM E 1530 |
| Deflection Temperature at 1.8 MPa (264 psi) | 245 Å°C | 473 Å°F | unannealed; ASTM D648 |
| | @Thickness 3.20 mm | @Thickness 0.126 in | |

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