

## SABIC Innovative Plastics LNP Thermotuf VF002 PA 66 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP THERMOTUF\* VF002 is a compound based on Nylon resin containing Glass Fiber. Added features of this material include: High Impact. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Thermotuf-VF002-PA-66-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermotuf-VF002-PA-66-Asia-Pacific.php)

| Physical Properties                | Metric                    | English                   | Comments           |
|------------------------------------|---------------------------|---------------------------|--------------------|
| Density                            | 1.15 g/cc                 | 0.0415 lb/in <sup>3</sup> | ASTM D 792         |
| Moisture Absorption at Equilibrium | 0.80 %<br>@Time 86400 sec | 0.80 %<br>@Time 24.0 hour | 50% RH; ASTM D 570 |

| Mechanical Properties     | Metric                                | English                                | Comments    |
|---------------------------|---------------------------------------|--|-------------|
| Tensile Strength at Break | 64.0 MPa                              | 9280 psi                               | ASTM D 638  |
| Tensile Strength, Yield   | 66.0 MPa                              | 9570 psi                               | ASTM D 638  |
| Elongation at Break       | 4.1 %                                 | 4.1 %                                  | ASTM D 638  |
| Elongation at Yield       | 65.1 %                                | 65.1 %                                 | ASTM D 638  |
| Flexural Strength         | 96.0 MPa                              | 13900 psi                              | ASTM D 790  |
| Flexural Modulus          | 3.27 GPa                              | 474 ksi                                | ASTM D 790  |
| Izod Impact, Notched      | 1.70 J/cm<br>@Temperature 23.0<br>Â°C | 3.18 ft-lb/in<br>@Temperature 73.4 Â°F | ASTM D 256  |
| Izod Impact, Unnotched    | 8.38 J/cm<br>@Temperature 23.0<br>Â°C | 15.7 ft-lb/in<br>@Temperature 73.4 Â°F | ASTM D 4812 |

| Thermal Properties                             | Metric   | English   | Comments               |
|--|--|---|------------------------|
| CTE, linear, Parallel to Flow                  | 50.4 Âµm/m-Â°C<br>@Temperature -40.0 -<br>40.0 Â°C | 28.0 Âµin/in-Â°F<br>@Temperature -40.0 -<br>104 Â°F | ASTM E 831             |
| Thermal Conductivity                           | 0.300 W/m-K  | 2.08 BTU-in/hr-ftÂ²-<br>Â°F                         | ASTM E 1530            |
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 222 Â°C<br>@Thickness 3.20 mm                      | 432 Â°F<br>@Thickness 0.126 in                      | unannealed; ASTM D 648 |

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China