

# LNP™ THERMOTUF™ COMPOUND PX06416

PF-1003 EM HI HS  
REGION ASIA

## DESCRIPTION

LNP THERMOTUF PX06416 is a compound based on Nylon 6 resin containing 15% Glass Fiber. Added features of this material include: High Impact, Easy Molding, Heat Stabilized.

## TYPICAL PROPERTY VALUES

Revision 20170816

| PROPERTIES                       | TYPICAL VALUES | UNITS             | TEST METHODS |
|----------------------------------|----------------|-------------------|--------------|
| <b>MECHANICAL</b>                |                |                   |              |
| Tensile Stress, break            | 82             | MPa               | ASTM D 638   |
| Tensile Strain, break            | 3.1            | %                 | ASTM D 638   |
| Tensile Modulus, 50 mm/min       | 4870           | MPa               | ASTM D 638   |
| Flexural Stress                  | 124            | MPa               | ASTM D 790   |
| <b>IMPACT</b>                    |                |                   |              |
| Izod Impact, unnotched, 23°C     | 796            | J/m               | ASTM D 4812  |
| Izod Impact, notched, 23°C       | 96             | J/m               | ASTM D 256   |
| <b>THERMAL</b>                   |                |                   |              |
| HDT, 1.82 MPa, 3.2mm, unannealed | 97             | °C                | ASTM D 648   |
| <b>PHYSICAL</b>                  |                |                   |              |
| Density                          | 1.22           | g/cm <sup>3</sup> | ASTM D 792   |
| Mold Shrinkage, flow, 24 hrs (5) | 0.4            | %                 | ASTM D 955   |
| <b>MECHANICAL PROPERTIES</b>     |                |                   |              |
| Flexural modulus                 | 3610           | MPa               | ISO 178/1A   |

## DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

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