

# LNPT<sup>™</sup> THERMOCOMP<sup>™</sup> COMPOUND WF008

WF-1008  
REGION ASIA

## DESCRIPTION

LNP THERMOCOMP WF008 compound is based on Polybutylene Terephthalate (PBT) resin containing 40% glass fiber.

| GENERAL INFORMATION   |  |
|-----------------------|--|
| Features              | High stiffness/Strength, No PFAS intentionally added |
| Fillers               | Glass Fiber  |
| Polymer Types         | Polybutylene Terephthalate (PBT)                     |
| 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   |

## TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES  | TYPICAL VALUES                    | UNITS             | TEST METHODS |
|---|-----------------------------------|-------------------|--------------|
| <b>MECHANICAL <sup>(1)</sup></b>                    |                                   |                   |              |
| Tensile Stress, break                               | 128                               | MPa               | ASTM D638    |
| Tensile Strain, break                               | 2.4                               | %                 | ASTM D638    |
| Tensile Modulus, 50 mm/min                          | 12540                             | MPa               | ASTM D638    |
| Flexural Stress                                     | 199                               | MPa               | ASTM D790    |
| Flexural modulus                                    | 11510                             | MPa               | ASTM D790    |
| <b>IMPACT <sup>(1)</sup></b>                        |                                   |                   |              |
| Izod Impact, unnotched, 23°C                        | 747                               | J/m               | ASTM D4812   |
| Izod Impact, notched, 23°C                          | 95                                | J/m               | ASTM D256    |
| <b>THERMAL <sup>(1)</sup></b>                       |                                   |                   |              |
| HDT, 1.82 MPa, 3.2mm, unannealed                    | 211                               | °C                | ASTM D648    |
| Relative Temp Index, Elec <sup>(2)</sup>            | 75                                | °C                | UL 746B      |
| Relative Temp Index, Mech w/impact <sup>(2)</sup>   | 75                                | °C                | UL 746B      |
| Relative Temp Index, Mech w/o impact <sup>(2)</sup> | 75                                | °C                | UL 746B      |
| <b>PHYSICAL <sup>(1)</sup></b>                      |                                   |                   |              |
| Density   | 1.64                              | g/cm <sup>3</sup> | ASTM D792    |
| <b>FLAME CHARACTERISTICS <sup>(2)</sup></b>         |                                   |                   |              |
| UL Yellow Card Link                                 | <a href="#">E207780-103093689</a> | -                 | -            |
| UL Recognized, 94HB Flame Class Rating              | ≥1.5                              | mm                | UL 94        |

- (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.
- (2) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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