



## LNP™ THERMOCOMP™ Compound UX05504

### Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound UF-1007 HS S

Product reorder name: UX05504

LNP THERMOCOMP™ UX05504 is a compound based on Polyphthalamide resin containing 35% Glass Fiber. Added feature of this material is: Heat Stabilized.

| TYPICAL PROPERTIES <sup>1</sup>       | TYPICAL VALUE | Unit              | Standard   |
|---------------------------------------|---------------|-------------------|------------|
| <b>MECHANICAL</b>                     |               |                   |            |
| Tensile Stress, yield                 | 12            | MPa               | ISO 527    |
| Tensile Stress, break                 | 164           | MPa               | ISO 527    |
| Tensile Strain, break                 | 2             | %                 | ISO 527    |
| Flexural Stress                       | 295           | MPa               | ISO 178    |
| Flexural Modulus                      | 10000         | MPa               | ISO 178    |
| <b>IMPACT</b>                         |               |                   |            |
| Izod Impact, unnotched 80*10*4 +23°C  | 39            | kJ/m <sup>2</sup> | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C    | 7             | kJ/m <sup>2</sup> | ISO 180/1A |
| <b>THERMAL</b>                        |               |                   |            |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 260           | °C                | ISO 75/Af  |
| <b>PHYSICAL</b>                       |               |                   |            |
| Density                               | 1.44          | g/cm <sup>3</sup> | ISO 1183   |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 120 - 150     | °C   |
| Drying Time                 | 4             | hrs  |
| Maximum Moisture Content    | 0.15          | %    |
| Melt Temperature            | 315 - 330     | °C   |
| Front - Zone 3 Temperature  | 325 - 340     | °C   |
| Middle - Zone 2 Temperature | 315 - 325     | °C   |
| Rear - Zone 1 Temperature   | 310 - 320     | °C   |
| Mold Temperature            | 140 - 165     | °C   |
| Back Pressure               | 0.2 - 0.3     | MPa  |
| Screw Speed                 | 30 - 60       | rpm  |