# LNP™ THERMOCOMP™ COMPOUND UF004AS

UF-1004 A HS

## DESCRIPTION

LNP THERMOCOMP UF004AS is a compound based on Polyphthalamide resin containing Glass Fiber. Added features of this material include: Heat Stabilized.

## TYPICAL PROPERTY VALUES

Revision 20200108

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| **MECHANICAL** | | | |
| **Tensile Stress, break, 5 mm/min** | 136 | MPa | ISO 527 |
| **Tensile Strain, break, 5 mm/min** | 1.7 | % | ISO 527 |
| **Tensile Modulus, 1 mm/min** | 7500 | MPa | ISO 527 |
| **Flexural Stress, break, 2 mm/min** | 178 | MPa | ISO 178 |
| **Flexural Modulus, 2 mm/min** | 7000 | MPa | ISO 178 |
| **IMPACT** | | | |
| **Izod Impact, unnotched 80*10*4 +23°C** | 25 | kJ/m² | ISO 180/1U |
| **Izod Impact, notched 80*10*4 +23°C** | 4 | kJ/m² | ISO 180/1A |
| **THERMAL** | | | |
| **CTE, 23°C to 60°C, flow** | 3.1E-05 | 1/°C | ISO 11359-2 |
| **CTE, 23°C to 60°C, xflow** | 6.E-05 | 1/°C | ISO 11359-2 |
| **HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm** | 256 | °C | ISO 75/Af |
| **PHYSICAL** | | | |
| **Mold Shrinkage on Tensile Bar, flow** | 0.2 – 0.4 | % | SABIC method |
| **Density** | 1.39 | g/cm³ | ISO 1183 |
| **FLAME CHARACTERISTICS** (1) | | | |
| **UL Yellow Card Link** | E45329-101343841 | - | - |
| **UL Recognized, 94HB Flame Class Rating** | 0.75 | mm | UL 94 |

(1) 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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