# LNP™ THERMOCOMP™ Compound JF002R
## Europe-Africa-Middle East: COMMERCIAL

**Also known as: LNP™ THERMOCOMP™ Compound JF-1002 MG MR**
**Product reorder name: JF002R**

LNP THERMOCOMP JF002R is a compound based on Polyethersulfone resin containing Glass Fiber, Glass Bead. Added features of this material include: Mold Release.

| TYPICAL PROPERTIES[1] | TYPICAL VALUE | Unit | Standard |
|---|---|---|---|
| **MECHANICAL** | | | |
| Tensile Stress, yield, 5 mm/min | 83 | MPa | ISO 527 |
| Tensile Strain, yield, 5 mm/min | 4.5 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 3500 | MPa | ISO 527 |
| Flexural Stress, yield, 2 mm/min | 133 | MPa | ISO 178 |
| Flexural Stress, break, 2 mm/min | 74 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 3200 | MPa | ISO 178 |
| **IMPACT** | | | |
| Izod Impact, unnotched 80*10*4 +23°C | 45 | kJ/m² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 6 | kJ/m² | ISO 180/1A |
| **THERMAL** | | | |
| CTE, 23°C to 60°C, flow | 4.3E-05 | 1/°C | ISO 11359-2 |
| CTE, 23°C to 60°C, xflow | 5.5E-05 | 1/°C | ISO 11359-2 |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 221 | °C | ISO 75/Bf |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 212 | °C | ISO 75/Af |
| **PHYSICAL** | | | |
| Density | 1.45 | g/cm³ | ISO 1183 |