# LNP™ THERMOTUF™ COMPOUND OF008EI

## DESCRIPTION

LNP THERMOTUF OF008EI is a compound based on PPS-Linear resin, containing Glass Fiber. Added features include : High Impact and Easy Molding.

## TYPICAL PROPERTY VALUES

Revision 20191216

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|---|---|---|
| MECHANICAL | | | |
| Tensile Stress, break, 5 mm/min | 145 | MPa | ISO 527 |
| Tensile Strain, break, 5 mm/min | 1.8 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 12500 | MPa | ISO 527 |
| Flexural Stress, yield, 2 mm/min | 210 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 11000 | MPa | ISO 178 |
| IMPACT | | | |
| Izod Impact, unnotched 80*10*4 +23°C | 40 | kJ/m² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 10 | kJ/m² | ISO 180/1A |
| THERMAL | | | |
| CTE, 23°C to 60°C, flow | 1.5E-05 | 1/°C | ISO 11359-2 |
| CTE, 23°C to 60°C, xflow | 4.7E-05 | 1/°C | ISO 11359-2 |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 263 | °C | ISO 75/Af |
| PHYSICAL | | | |
| Mold Shrinkage, flow | 0.15 | % | SABIC method |
| Density | 1.6 | g/cm³ | ISO 1183 |
| INJECTION MOLDING | | | |
| Drying Temperature | 120 – 150 | °C | |
| Drying Time | 4 | hrs | |
| Melt Temperature | 315 – 320 | °C | |
| Front - Zone 3 Temperature | 330 – 345 | °C | |
| Middle - Zone 2 Temperature | 320 – 330 | °C | |
| Rear - Zone 1 Temperature | 305 – 315 | °C | |
| Mold Temperature | 140 – 165 | °C | |
| Back Pressure | 0.2 – 0.3 | MPa | |
| Screw Speed | 30 – 60 | rpm | |

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