

Product Texts

LNP THERMOCOMP OF008E compound is based on linear Polyphenylene Sulfide (PPS) resin containing 40% glass fiber. Added features of this grade include: Easy Molding.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 12900 | MPa | ISO 527 |
| Stress at break | 177 | MPa | ISO 527 |
| Strain at break | 1.8 | % | ISO 527 |
| Flexural modulus | 12300 | MPa | ISO 178 |
| Izod impact strength, +23°C, 4mm | 45 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C, 4mm | 10 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 268 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 22 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 49 | E-6/K | ISO 11359-1/-2 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1650 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 120 - 150 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 315 - 320 | °C | - |
| Mold temperature | 140 - 165 | °C | - |
| Zone 1 | 305 - 315 | °C | - |
| Zone 2 | 320 - 330 | °C | - |
| Zone 3 | 330 - 345 | °C | - |
| Screw speed | 30 - 60 | rpm | - |
| Back pressure | 0.2 - 0.3 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Europe