

Product Texts

LNP COLORCOMP EX14001 compound is based on unfilled Polyetherimide (PEI) resin. Added features of this grade include: Easy Molding.

| Mechanical properties | Value | Unit | Test Standard |
|--|-------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 3200 | MPa | ISO 527 |
| Yield stress | 105 | MPa | ISO 527 |
| Yield strain | 6 | % | ISO 527 |
| Stress at break | 85 | MPa | ISO 527 |
| Strain at break | 50 | % | ISO 527 |
| Flexural modulus | 3300 | MPa | ISO 178 |
| Izod impact strength, +23°C, 4mm | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C, 4mm | 5 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--|------------|------|---------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 190 | °C | ISO 75-1/-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1270 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 150 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 360 - 400 | °C | - |
| Mold temperature | 140 - 180 | °C | - |
| Zone 1 | 360 - 380 | °C | - |
| Zone 2 | 370 - 390 | °C | - |
| Zone 3 | 380 - 400 | °C | - |
| Back pressure | 0.3 - 0.7 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive