

Product Texts

LNP COLORCOMP EX10304C compound is based on unfilled Polyetherimide (PEI) resin. Added features of this grade include: LNP Clean Compounding Technology.

UL Yellow Card Link [E207780-101339191](https://www.ul.com/yellowcard/E207780-101339191)

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.6 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.6 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 3290 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 106 | MPa | ASTM D 638 |
| Tensile Strength at Break | 95 | MPa | ASTM D 638 |
| Elongation at Yield | 7 | % | ASTM D 638 |
| Elongation at Break | 60 | % | ASTM D 638 |
| Flexural Modulus | 3020 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 34 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 1340 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|-------------------------------|-------|-------|-----------------|
| ISO Data | | | |
| Burning behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1270 | kg/m ³ | ASTM D 792 |

| 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