

Product Texts

LNP THERMOCOMP RX06420 compound is based on Nylon 6/6 resin containing 20% glass fiber. Added features of this grade include: Easy Molding, Low Extractables, Mold Release.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 2 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| ISO Data | | | |
| Flexural modulus | 5580 | MPa | ISO 178 |
| ASTM Data | | | |
| Flexural Modulus | 5990 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 50 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 423 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 264 psi | 221 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1290 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.25 | % | - |
| Melt temperature | 280 - 305 | °C | - |
| Mold temperature | 95 - 110 | °C | - |
| Zone 1 | 265 - 275 | °C | - |
| Zone 2 | 280 - 295 | °C | - |
| Zone 3 | 295 - 305 | °C | - |
| Screw speed | 30 - 60 | rpm | - |
| Back pressure | 0.2 - 0.3 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America