+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

# LNP™ THERMOCOMP™ Compound RC00A
## Europe-Africa-Middle East: COMMERCIAL

**Also known as: LNP™ THERMOCOMP™ Compound RC-100-10**
**Product reorder name: RC00A**

LNP THERMOCOMP RC00A is a compound based on PA6.6 resin containing Carbon Fiber. Added features include: Electrically Conductive

| TYPICAL PROPERTIES[1] | TYPICAL VALUE | Unit | Standard |
|---|---|---|---|
| **MECHANICAL** | | | |
| Tensile Stress, break, 5 mm/min | 238 | MPa | ISO 527 |
| Tensile Strain, break, 5 mm/min | 1 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 33400 | MPa | ISO 527 |
| Flexural Stress, yield, 2 mm/min | 331 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 24000 | MPa | ISO 178 |
| **IMPACT** | | | |
| Izod Impact, unnotched 80*10*4 +23°C | 35 | 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 | 1.6E-05 | 1/°C | ISO 11359-2 |
| CTE, 23°C to 60°C, xflow | 6.3E-05 | 1/°C | ISO 11359-2 |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 254 | °C | ISO 75/Af |
| **PHYSICAL** | | | |
| Mold Shrinkage, flow (5) | 0.05 - 0.15 | % | SABIC Method |
| Density | 1.37 | g/cm³ | ISO 1183 |
| **ELECTRICAL** | | | |
| Surface Resistivity | 1.E+01 - 1.E+02 | Ohm | ASTM D 257 |

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| PROCESSING PARAMETERS | TYPICAL VALUE | Unit |
|---|---|---|
| **Injection Molding** | | |
| Drying Temperature | 80 | °C |
| Drying Time | 4 - 6 | hrs |
| Maximum Moisture Content | 0.02 | % |
| Melt Temperature | 255 - 290 | °C |
| Front - Zone 3 Temperature | 260 - 270 | °C |
| Middle - Zone 2 Temperature | 255 - 265 | °C |
| Rear - Zone 1 Temperature | 250 - 260 | °C |
| Mold Temperature | 40 - 65 | °C |
| Back Pressure | 0.2 - 0.3 | MPa |
| Screw Speed | 30 - 60 | rpm |