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

# LNP™ STAT-KON™ Compound MD000I

## Europe-Africa-Middle East: COMMERCIAL

**Also known as: LNP™ STAT-KON™ Compound M1HI**
**Product reorder name: MD000I**

LNP STAT-KON MD000I is a compound based on Polypropylene resin. Added features of this material include: Electrically Conductive, High Impact.

| TYPICAL PROPERTIES[1] | TYPICAL VALUE | Unit | Standard |
|---|---|---|---|
| **MECHANICAL** | | | |
| Tensile Stress, yield, 5 mm/min | 27 | MPa | ISO 527 |
| Tensile Stress, break, 5 mm/min | 16 | MPa | ISO 527 |
| Tensile Strain, yield, 5 mm/min | 4.3 | % | ISO 527 |
| Tensile Strain, break, 5 mm/min | 24 | % | ISO 527 |
| Flexural Stress, break, 2 mm/min | 40 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 1600 | MPa | ISO 178 |
| **IMPACT** | | | |
| Izod Impact, unnotched 80*10*4 +23°C | NB | kJ/m² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 60 | kJ/m² | ISO 180/1A |
| **THERMAL** | | | |
| CTE, 23°C to 60°C, flow | 1.3E-04 | 1/°C | ISO 11359-2 |
| CTE, 23°C to 60°C, xflow | 1.48E-04 | 1/°C | ISO 11359-2 |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 110 | °C | ISO 75/Bf |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 61 | °C | ISO 75/Af |
| **PHYSICAL** | | | |
| Density | 1 | g/cm³ | ISO 1183 |
| **ELECTRICAL** | | | |
| Surface Resistivity | 1.E+02 - 1.E+04 | Ohm | ASTM D 257 |

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.
(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
(4) Internal measurements according to UL standards.
(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

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| PROCESSING PARAMETERS | TYPICAL VALUE | Unit |
|---|---|---|
| **Injection Molding** | | |
| Drying Temperature | 80 | °C |
| Drying Time | 4 | hrs |
| Melt Temperature | 225 - 250 | °C |
| Front - Zone 3 Temperature | 240 - 250 | °C |
| Middle - Zone 2 Temperature | 215 - 225 | °C |
| Rear - Zone 1 Temperature | 195 - 205 | °C |
| Mold Temperature | 30 - 50 | °C |
| Back Pressure | 0.2 - 0.3 | MPa |
| Screw Speed | 30 - 60 | rpm |

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