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

# LNP™ STAT-KON™ Compound DX05305C

## Asia Pacific: COMMERCIAL

**Also known as: LNP™ STAT-KON™ Compound PDX-D-05305 CCS**
**Product reorder name: DX05305C**

LNP STAT-KON DX05305C is a compound based on Polycarbonate resin containing Carbon Powder. Added features of this material include: Electrically Conductive, Clean Compounding System.

| TYPICAL PROPERTIES[1] | TYPICAL VALUE | Unit | Standard |
|---|---|---|---|
| **MECHANICAL** | | | |
| Tensile Stress, yield | 230 | kgf/cm² | ASTM D 638 |
| Tensile Stress, break | 530 | kgf/cm² | ASTM D 638 |
| Tensile Strain, yield | 1.9 | % | ASTM D 638 |
| Tensile Strain, break | 5.9 | % | ASTM D 638 |
| Tensile Modulus, 50 mm/min | 27000 | kgf/cm² | ASTM D 638 |
| Flexural Stress | 980 | kgf/cm² | ASTM D 790 |
| Flexural Modulus | 26500 | kgf/cm² | ASTM D 790 |
| Tensile Stress, break | 54 | MPa | ISO 527 |
| Tensile Strain, break | 4024 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 2620 | MPa | ISO 527 |
| Flexural Stress | 101 | MPa | ISO 178 |
| Flexural Modulus | 2730 | MPa | ISO 178 |
| **IMPACT** | | | |
| Izod Impact, unnotched, 23°C | 103 | cm-kgf/cm | ASTM D 4812 |
| Izod Impact, notched, 23°C | 4 | cm-kgf/cm | ASTM D 256 |
| Instrumented Impact Energy @ peak, 23°C | 30 | cm-kgf | ASTM D 3763 |
| Multiaxial Impact | 52 | cm-kgf | ISO 6603 |
| Izod Impact, unnotched 80*10*4 +23°C | 80 | kJ/m² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 5 | kJ/m² | ISO 180/1A |
| **THERMAL** | | | |
| HDT, 0.45 MPa, 3.2 mm, unannealed | 142 | °C | ASTM D 648 |
| HDT, 1.82 MPa, 3.2mm, unannealed | 135 | °C | ASTM D 648 |
| CTE, -40°C to 40°C, flow | 6.48E-05 | 1/°C | ASTM E 831 |

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

# LNP™ STAT-KON™ Compound DX05305C

## Asia Pacific: COMMERCIAL

| TYPICAL PROPERTIES[1] | TYPICAL VALUE | Unit | Standard |
|---|---|---|---|
| **THERMAL** | | | |
| CTE, -40°C to 40°C, xflow | 6.12E-05 | 1/°C | ASTM E 831 |
| CTE, -40°C to 40°C, flow | 6.14E-05 | 1/°C | ISO 11359-2 |
| CTE, -40°C to 40°C, xflow | 6.15E-05 | 1/°C | ISO 11359-2 |
| HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm | 130 | °C | ISO 75/Bf |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 132 | °C | ISO 75/Af |
| **PHYSICAL** | | | |
| Density | 1.22 | g/cm³ | ASTM D 792 |
| Moisture Absorption, 50% RH, 24 hrs | 0.1 | % | ASTM D 570 |
| Mold Shrinkage, flow, 24 hrs (5) | 74 | % | ASTM D 955 |
| Mold Shrinkage, xflow, 24 hrs (5) | 61 | % | ASTM D 955 |
| Mold Shrinkage, flow, 24 hrs (5) | 0.74 | % | ISO 294 |
| Mold Shrinkage, xflow, 24 hrs (5) | 0.61 | % | ISO 294 |
| Density | 1.22 | g/cm³ | ISO 1183 |
| **ELECTRICAL** | | | |
| Volume Resistivity | 1.E+02 - 1.E+05 | Ohm-cm | ASTM D 257 |
| Surface Resistivity | 1.E+02 - 1.E+05 | Ohm | ASTM D 257 |