

# LNPT<sup>™</sup> STAT-KON<sup>™</sup> COMPOUND RD000I

R-HI

REGION ASIA

## DESCRIPTION

LNP STAT-KON RD000I compound is based on Nylon 6/6 resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive, High Impact.

### GENERAL INFORMATION

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Features              | Electrically Conductive, Impact resistant, No PFAS intentionally added |
| Fillers               | Carbon Powder                                                          |
| Polymer Types         | Polyamide 66 (Nylon 66)                                                |
| Processing Techniques | Injection Molding                                                      |

### INDUSTRY

Electrical and Electronics  
Industrial

### SUB INDUSTRY

Electronic Components  
Material Handling

## TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES                                 | TYPICAL VALUES  | UNITS             | TEST METHODS |
|--------------------------------------------|-----------------|-------------------|--------------|
| <strong>MECHANICAL <sup>(1)</sup></strong> |                 |                   |              |
| Tensile Stress, break                      | 46              | MPa               | ASTM D638    |
| Tensile Strain, break                      | 13.5            | %                 | ASTM D638    |
| Tensile Modulus, 50 mm/min                 | 2120            | MPa               | ASTM D638    |
| Flexural Stress                            | 82              | MPa               | ASTM D790    |
| Flexural Modulus                           | 2620            | MPa               | ASTM D790    |
| <strong>IMPACT <sup>(1)</sup></strong>     |                 |                   |              |
| Izod Impact, unnotched, 23°C               | 1810            | J/m               | ASTM D4812   |
| Izod Impact, notched, 23°C                 | 150             | J/m               | ASTM D256    |
| <strong>THERMAL <sup>(1)</sup></strong>    |                 |                   |              |
| HDT, 1.82 MPa, 3.2mm, unannealed           | 73              | °C                | ASTM D648    |
| CTE, -40°C to 40°C, flow                   | 1.21E-04        | 1/°C              | ASTM E831    |
| Thermal Conductivity                       | 2.8             | W/m-°C            | ASTM E1530   |
| <strong>PHYSICAL <sup>(1)</sup></strong>   |                 |                   |              |
| Density                                    | 1.15            | g/cm <sup>3</sup> | ASTM D792    |
| <strong>ELECTRICAL <sup>(1)</sup></strong> |                 |                   |              |
| Surface Resistivity <sup>(2)</sup>         | 1.E+01 – 1.E+06 | Ω                 | ASTM D257    |

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.

(2) Measurement meets requirements as specified in ASTM D4496.



#### ADDITIONAL PRODUCT NOTES

No PFAS intentionally added: The grade listed in this document does not contain PFAS intentionally added during Seller's manufacturing process and is not expected to contain unintentional PFAS impurities. Each user is responsible for evaluating the presence of unintentional PFAS impurities.

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