

LNPT[™] STAT-KON[™] COMPOUND ME006

MC-1006

REGION ASIA

DESCRIPTION

LNP STAT-KON ME006 compound is based on Polypropylene (PP) resin containing 30% carbon fiber. Added features of this grade include: Electrically Conductive.

| GENERAL INFORMATION | |
|----------------------------|--|
| Features | Electrically Conductive, Carbon fiber filled, High stiffness/Strength, No PFAS intentionally added |
| Fillers | Carbon Fiber |
| Polymer Types | Polypropylene, Unspecified (PP, Unspecified) |
| Processing Techniques | Injection Molding |
| INDUSTRY | SUB INDUSTRY |
| Electrical and Electronics | Electronic Components |
| Industrial | Material Handling |

TYPICAL PROPERTY VALUES

Revision 20231109

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| MECHANICAL ⁽¹⁾ | | | |
| Tensile Stress, break | 59 | MPa | ASTM D638 |
| Tensile Strain, break | 0.5 | % | ASTM D638 |
| Flexural Stress | 85 | MPa | ASTM D790 |
| Flexural Modulus | 11030 | MPa | ASTM D790 |
| IMPACT ⁽¹⁾ | | | |
| Izod Impact, unnotched, 23°C | 213 | J/m | ASTM D4812 |
| Izod Impact, notched, 23°C | 58 | J/m | ASTM D256 |
| PHYSICAL ⁽¹⁾ | | | |
| Density | 1.06 | g/cm ³ | ASTM D792 |
| INJECTION MOLDING ⁽²⁾ | | | |
| 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 | |

- (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) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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