

Product Texts

| | |
|------------------------|---|
| Base Polymer | Polyamide 66 |
| Filler/Additive System | 30 % glass fibre/carbon fibre |
| Special Features | electrically conductive, reduced surface resistivity, heat stabilised, high stiffness |
| Market Segment | Automotive, Machinery |
| Application Area | various |
| Typical Applications | bearings, functional components |

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 12000 / - | MPa | ISO 527 |
| ^[C] Stress at break | 195 / - | MPa | ISO 527 |
| ^[C] Strain at break | 3 / - | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 45 / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 7 / - | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 252 / * | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 252 / * | °C | ISO 306 |

[C]: CAMPUS

| Electrical properties | dry / cond | Unit | Test Standard |
|------------------------------------|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Surface resistivity | * / 1000 | Ohm | IEC 62631-3-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1330 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

Increased electrical conductivity, Heat stabilized or stable to heat

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in a dry air (desiccant) dryer
for 2-12 h
dependant on moisture content

Processing Injection Moulding melt temperature 280-300 °C
mould temperature 80-120 °C

Storage dry, protected from light
not above 30°C