

Product Texts

| | |
|------------------------|---|
| Base Polymer | Polyamide 66 |
| Filler/Additive System | special filler |
| Special Features | thermal conductive, electrically insulating, heat stabilised |
| Market Segment | Automotive, Machinery, electrical and electronic, Lighting |
| Application Area | radiator systems, cooling system |
| Typical Applications | housings, functional components, plugs / connectors, lamp sockets |

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 9800 / - | MPa | ISO 527 |
| ^[C] Stress at break | 65 / - | MPa | ISO 527 |
| ^[C] Strain at break | 1 / - | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 15 / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 2 / - | 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 | 230 / * | °C | ISO 75-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.5 / * | mm | - |

[C]: CAMPUS

| Electrical properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Electric strength | 54 / - | kV/mm | IEC 60243-1 |
| ^[C] Comparative tracking index | 600 / - | - | IEC 60112 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1510 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Special Characteristics

Heat stabilized or stable to heat, Thermally Conductive

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
max. moisture content <0,15 %

Processing Injection Moulding melt temperature 300-320 °C
mould temperature 100-120 °C

Storage dry, protected from light