

**Product Texts**

|                        |  |
|------------------------|--|
| Base Polymer           | Polyamide 66   |
| Filler/Additive System | 5 % aramid   |
| Special Features       | improved sliding / wear                              |
| Market Segment         | Automotive, Machinery                                |
| Application Area       | injection moulded parts                              |
| Typical Applications   | functional components, bearings and sliding elements |

| <b>Mechanical properties</b>                         | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|-------------------|-------------------|----------------------|
| <b>ISO Data</b>                                      |                   |                   |                      |
| <sup>[C]</sup> Tensile Modulus                       | <b>3500 / -</b>   | MPa               | ISO 527              |
| <sup>[C]</sup> Stress at break                       | <b>66 / -</b>     | MPa               | ISO 527              |
| <sup>[C]</sup> Strain at break                       | <b>2 / -</b>      | %                 | ISO 527              |
| <sup>[C]</sup> Charpy impact strength, +23°C         | <b>15 / -</b>     | kJ/m <sup>2</sup> | ISO 179/1eU          |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | <b>1.5 / -</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |

[C]: CAMPUS

| <b>Thermal properties</b>                               | <b>dry / cond</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|-------------------|-------------|----------------------|
| <b>ISO Data</b>   |                   |             |                      |
| <sup>[C]</sup> Temp. of deflection under load, 1.80 MPa | <b>85 / *</b>     | °C          | ISO 75-1/-2          |

[C]: CAMPUS

| <b>Other properties</b> | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|-------------------|-------------------|----------------------|
| <sup>[C]</sup> Density  | <b>1150 / -</b>   | kg/m <sup>3</sup> | ISO 1183             |

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Other text information****Injection molding**

|                               |   |
|-------------------------------|---|
| Pre-Drying Conditions         | in a dry air (dessiccant) dryer <80 °C<br>for 2-12 h<br>dependant on moisture content |
| Processing Injection Moulding | melt temperature 280-300 °C<br>mould temperature 80-120 °C                            |
| Storage                       | dry, protected from light<br>not above 30°C   |