

**Product Texts**

|                        |  |
|------------------------|--|
| Base Polymer           | Polyamide 6                              |
| Filler/Additive System | 30 % glass fibres,15 % PTFE,2 % silicone |
| Special Features       | improved sliding / wear,heat stabilised  |
| Market Segment         | Automotive,Machinery                     |
| Typical Applications   | functional components                    |

| <b>Mechanical properties</b>              | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---|-------------------|-------------------|----------------------|
| <b>ISO Data</b>                           |                   |                   |                      |
| [C] Tensile Modulus                       | <b>9100 / -</b>   | MPa               | ISO 527              |
| [C] Stress at break                       | <b>145 / -</b>    | MPa               | ISO 527              |
| [C] Strain at break                       | <b>2.7 / -</b>    | %                 | ISO 527              |
| [C] Charpy impact strength, +23°C         | <b>60 / -</b>     | kJ/m <sup>2</sup> | ISO 179/1eU          |
| [C] Charpy notched impact strength, +23°C | <b>12 / -</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>                              |                   |             |                      |
| [C] Temp. of deflection under load, 1.80 MPa | <b>205 / *</b>    | °C          | ISO 75-1/-2          |

[C]: CAMPUS

| <b>Other properties</b> | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|-------------------|-------------------|----------------------|
| [C] Density             | <b>1480 / -</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 270-290 °C<br>mould temperature 80-100 °C                            |
| Storage                       | dry, protected from light   |