

**Product Texts**

|                        |  |
|------------------------|--|
| Base Polymer           | Polyamide 6  |
| Filler/Additive System | 15 % glass fibres  |
| Special Features       | impact modified,heat stabilised,injection moulding grade |
| Market Segment         | Machinery,electrical and electronic                      |
| Application Area       | power tools,injection moulded parts                      |
| Typical Applications   | housings,security engineering parts                      |

| <b>Mechanical properties</b>                         | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------|-------------------|----------------------|
| <b>ISO Data</b>                                      |              |                   |                      |
| <sup>[C]</sup> Tensile Modulus                       | <b>5000</b>  | MPa               | ISO 527              |
| <sup>[C]</sup> Stress at break                       | <b>100</b>   | MPa               | ISO 527              |
| <sup>[C]</sup> Strain at break                       | <b>4.6</b>   | %                 | ISO 527              |
| <sup>[C]</sup> Charpy impact strength, +23°C         | <b>75</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | <b>16</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |

[C]: CAMPUS

| <b>Thermal properties</b>                               | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>   |              |             |                      |
| <sup>[C]</sup> Temp. of deflection under load, 1.80 MPa | <b>200</b>   | °C          | ISO 75-1/-2          |

[C]: CAMPUS

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| <sup>[C]</sup> Density  | <b>1200</b>  | kg/m <sup>3</sup> | ISO 1183             |

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

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

Pre-Drying Conditions      in a dry air (dessiccant) dryer 60-80 °C  
    for 2-6 h  
    in an air circulating dryer 60-80 °C  
    for 2-6 h

Processing Injection Moulding      melt temperature 270-290 °C  
    mould temperature 80-90 °C

Storage                                      dry, protected from light  
    not above 30°C