

**Product Texts**

15% glass fibre reinforced PA 6

| <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>5800 / 3000</b> | MPa               | ISO 527              |
| <sup>[C]</sup> Stress at break                       | <b>120 / 70</b>    | MPa               | ISO 527              |
| <sup>[C]</sup> Strain at break                       | <b>3.5 / 15</b>    | %                 | ISO 527              |
| <sup>[C]</sup> Charpy impact strength, +23°C         | <b>45 / N</b>      | kJ/m <sup>2</sup> | ISO 179/1eU          |
| <sup>[C]</sup> Charpy impact strength, -30°C         | <b>40 / -</b>      | kJ/m <sup>2</sup> | ISO 179/1eU          |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | <b>7 / 15</b>      | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <sup>[C]</sup> Charpy notched impact strength, -30°C | <b>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>200 / *</b>    | °C          | ISO 75-1/-2          |
| <sup>[C]</sup> Temp. of deflection under load, 0.45 MPa | <b>210 / *</b>    | °C          | ISO 75-1/-2          |
| <sup>[C]</sup> Vicat softening temperature, B           | <b>210 / *</b>    | °C          | ISO 306              |
| <sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.    | <b>HB / *</b>     | class       | IEC 60695-11-10      |
| Thickness tested  | <b>1.5 / *</b>    | mm          | -                    |
| Yellow Card available                                   | <b>yes / *</b>    | -           | -                    |
| <sup>[C]</sup> Burning Behav. at thickness h            | <b>HB / *</b>     | class       | IEC 60695-11-10      |
| Thickness tested  | <b>0.8 / *</b>    | mm          | -                    |
| Yellow Card available                                   | <b>yes / *</b>    | -           | -                    |

[C]: CAMPUS

| <b>Electrical properties</b>       | <b>dry / cond</b>   | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------------|---------------------|-------------|----------------------|
| <b>ISO Data</b>                    |                     |             |                      |
| <sup>[C]</sup> Volume resistivity  | <b>&gt;1E13 / -</b> | Ohm*m       | IEC 62631-3-1        |
| <sup>[C]</sup> Surface resistivity | <b>* / &gt;1E15</b> | Ohm         | IEC 62631-3-2        |

[C]: CAMPUS

| <b>Other properties</b> | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|-------------------|-------------------|----------------------|
| <sup>[C]</sup> Density  | <b>1230 / -</b>   | kg/m <sup>3</sup> | ISO 1183             |

[C]: CAMPUS

| <b>Material specific properties</b> | <b>dry / cond</b> | <b>Unit</b>        | <b>Test Standard</b> |
|-------------------------------------|-------------------|--------------------|----------------------|
| <b>ISO Data</b>                     |                   |                    |                      |
| <sup>[C]</sup> Viscosity number     | <b>145 / *</b>    | cm <sup>3</sup> /g | ISO 307, 1157, 1628  |

[C]: CAMPUS

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>80</b>        | °C          | -                    |
| Pre-drying - Time                                  | <b>4 - 6</b>     | h           | -                    |
| Melt temperature                                   | <b>250 - 280</b> | °C          | -                    |
| Mold temperature                                   | <b>60 - 90</b>   | °C          | -                    |

**Characteristics**

**Processing**

Injection Molding

**Additives**

Release agent

**Delivery form**

Granules

**Regional Availability**North America, Europe, Asia Pacific, South and Central America,  
Near East/Africa**Other text information****Injection molding**PREPROCESSING; **Pretreatment**

Predrying: 4-6h / 80°C

PROCESSING ;**Processing:**

|                  |           |    |
|------------------|-----------|----|
| Melttemperature  | 250 - 280 | °C |
| Mouldtemperature | 60 - 90   | °C |