

| Processing/Physical Characteristics       | Value       | Unit                   | Test Standard |
|---|-------------|------------------------|---------------|
| <b>ISO Data</b>                           |             |                        |               |
| <sup>[C]</sup> Melt volume-flow rate, MVR | <b>24</b>   | cm <sup>3</sup> /10min | ISO 1133      |
| Temperature                               | <b>190</b>  | °C                     | -             |
| Load                                      | <b>2.16</b> | kg                     | -             |

[C]: CAMPUS

| Mechanical properties                                | Value       | Unit              | Test Standard |
|--|-------------|-------------------|---------------|
| <b>ISO Data</b>                                      |             |                   |               |
| <sup>[C]</sup> Tensile Modulus                       | <b>2750</b> | MPa               | ISO 527       |
| <sup>[C]</sup> Yield stress                          | <b>64</b>   | MPa               | ISO 527       |
| <sup>[C]</sup> Yield strain                          | <b>7.5</b>  | %                 | ISO 527       |
| <sup>[C]</sup> Nominal strain at break               | <b>17</b>   | %                 | ISO 527       |
| <sup>[C]</sup> Charpy impact strength, +23°C         | <b>170</b>  | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy impact strength, -30°C         | <b>170</b>  | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | <b>5.5</b>  | kJ/m <sup>2</sup> | ISO 179/1eA   |
| <sup>[C]</sup> Charpy notched impact strength, -30°C | <b>5.5</b>  | kJ/m <sup>2</sup> | ISO 179/1eA   |

[C]: CAMPUS

| Thermal properties   | Value      | Unit  | Test Standard  |
|--|------------|-------|----------------|
| <b>ISO Data</b>  |            |       |                |
| <sup>[C]</sup> Melting temperature, 10°C/min               | <b>164</b> | °C    | ISO 11357-1/-3 |
| <sup>[C]</sup> Coeff. of linear therm. expansion, parallel | <b>120</b> | E-6/K | ISO 11359-1/-2 |
| <sup>[C]</sup> Coeff. of linear therm. expansion, normal   | <b>120</b> | E-6/K | ISO 11359-1/-2 |

[C]: CAMPUS

| Electrical properties                       | Value       | Unit  | Test Standard |
|---|-------------|-------|---------------|
| <b>ISO Data</b>                             |             |       |               |
| <sup>[C]</sup> Relative permittivity, 100Hz | <b>4</b>    | -     | IEC 62631-2-1 |
| <sup>[C]</sup> Relative permittivity, 1MHz  | <b>4</b>    | -     | IEC 62631-2-1 |
| <sup>[C]</sup> Dissipation factor, 100Hz    | <b>20</b>   | E-4   | IEC 62631-2-1 |
| <sup>[C]</sup> Dissipation factor, 1MHz     | <b>50</b>   | E-4   | IEC 62631-2-1 |
| <sup>[C]</sup> Volume resistivity           | <b>1E12</b> | Ohm*m | IEC 62631-3-1 |
| <sup>[C]</sup> Surface resistivity          | <b>1E14</b> | Ohm   | IEC 62631-3-2 |
| <sup>[C]</sup> Electric strength            | <b>35</b>   | kV/mm | IEC 60243-1   |

[C]: CAMPUS

| Other properties                   | Value       | Unit              | Test Standard  |
|------------------------------------|-------------|-------------------|----------------|
| <sup>[C]</sup> Water absorption    | <b>0.65</b> | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Humidity absorption | <b>0.2</b>  | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Density             | <b>1410</b> | kg/m <sup>3</sup> | ISO 1183       |

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Features**

Copolymer

**Delivery form**

Granules

**Other text information**

**Injection molding**

To achieve low emission values pre drying using a recirculating air dryer (100 to 120 °C / max. 40 mm layer / 3 to 6 hours) is recommended.

Max. Water content 0,1 %  
Standard injection moulding machines with three phase (15 to 25 D)  
plasticating screws will fit.

Conditioning e.g. moisturizing is not necessary.