

**Product Texts**

Easy flow flame retardant PBT with 20% glass fibre and halogenous flame retardant agent; without PBDE

| Processing/Physical Characteristics       | Value | Unit                   | Test Standard |
|---|-------|------------------------|---------------|
| <b>ISO Data</b>                           |       |                        |               |
| <sup>[C]</sup> Melt volume-flow rate, MVR | 40    | cm <sup>3</sup> /10min | ISO 1133      |
| Temperature                               | 260   | °C                     | -             |
| Load                                      | 5     | kg                     | -             |

[C]: CAMPUS

| Mechanical properties                                | Value | Unit              | Test Standard |
|--|-------|-------------------|---------------|
| <b>ISO Data</b>                                      |       |                   |               |
| <sup>[C]</sup> Tensile Modulus                       | 8500  | MPa               | ISO 527       |
| <sup>[C]</sup> Stress at break                       | 120   | MPa               | ISO 527       |
| <sup>[C]</sup> Strain at break                       | 2.5   | %                 | ISO 527       |
| <sup>[C]</sup> Charpy impact strength, +23°C         | 40    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy impact strength, -30°C         | 30    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | 6     | kJ/m <sup>2</sup> | ISO 179/1eA   |
| <sup>[C]</sup> Charpy notched impact strength, -30°C | 5     | kJ/m <sup>2</sup> | ISO 179/1eA   |

[C]: CAMPUS

| Thermal properties                                      | Value | Unit  | Test Standard   |
|---|-------|-------|-----------------|
| <b>ISO Data</b>   |       |       |                 |
| <sup>[C]</sup> Temp. of deflection under load, 1.80 MPa | 197   | °C    | ISO 75-1/-2     |
| <sup>[C]</sup> Temp. of deflection under load, 0.45 MPa | 217   | °C    | ISO 75-1/-2     |
| <sup>[C]</sup> Vicat softening temperature, B           | 202   | °C    | ISO 306         |
| <sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.    | V-0   | class | IEC 60695-11-10 |
| Thickness tested  | 1.5   | mm    | -               |
| Yellow Card available                                   | yes   | -     | -               |
| <sup>[C]</sup> Burning Behav. at thickness h            | V-0   | class | IEC 60695-11-10 |
| Thickness tested  | 0.8   | mm    | -               |
| Yellow Card available                                   | yes   | -     | -               |
| <sup>[C]</sup> Burning Behav. 5V at thickness h         | 5VA   | class | IEC 60695-11-20 |
| Thickness tested  | 1.5   | mm    | -               |
| Yellow Card available                                   | yes   | -     | -               |
| <sup>[C]</sup> Oxygen index                             | 30    | %     | ISO 4589-1/-2   |

[C]: CAMPUS

| Electrical properties                     | Value | Unit  | Test Standard |
|---|-------|-------|---------------|
| <b>ISO Data</b>                           |       |       |               |
| <sup>[C]</sup> Volume resistivity         | >1E13 | Ohm*m | IEC 62631-3-1 |
| <sup>[C]</sup> Surface resistivity        | >1E15 | Ohm   | IEC 62631-3-2 |
| <sup>[C]</sup> Comparative tracking index | 225   | -     | IEC 60112     |

[C]: CAMPUS

| Other properties       | Value | Unit              | Test Standard |
|------------------------|-------|-------------------|---------------|
| <sup>[C]</sup> Density | 1580  | kg/m <sup>3</sup> | ISO 1183      |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 120       | °C   | -             |
| Pre-drying - Time                           | 2 - 4     | h    | -             |
| Melt temperature                            | 240 - 270 | °C   | -             |
| Mold temperature                            | 70 - 90   | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Granules

**Additives**

Release agent

**Special Characteristics**

Flame retardant

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

Predrying: 2-4 h / 120°C

**PROCESSING ;Processing:**

|                  |           |    |
|------------------|-----------|----|
| Melttemperature  | 240 - 270 | °C |
| Mouldtemperature | 70 - 90   | °C |