

**Product Texts**

|                  |                           |
|------------------|---------------------------|
| Base Polymer     | Polycarbonate             |
| Special Features | easy release (demoulding) |
| Market Segment   | Lighting, various         |
| Application Area | injection moulded parts   |

**Processing/Physical Characteristics**

|   | Value | Unit                   | Test Standard |
|---|-------|------------------------|---------------|
| <b>ISO Data</b>                           |       |                        |               |
| <sup>[C]</sup> Melt volume-flow rate, MVR | 15    | cm <sup>3</sup> /10min | ISO 1133      |
| Temperature                               | 300   | °C                     | -             |
| Load                                      | 1.2   | kg                     | -             |

[C]: CAMPUS

**Mechanical properties**

|  | Value | Unit              | Test Standard |
|--|-------|-------------------|---------------|
| <b>ISO Data</b>                                      |       |                   |               |
| <sup>[C]</sup> Tensile Modulus                       | 2200  | MPa               | ISO 527       |
| <sup>[C]</sup> Yield stress                          | 60    | MPa               | ISO 527       |
| <sup>[C]</sup> Yield strain                          | 6     | %                 | ISO 527       |
| <sup>[C]</sup> Charpy impact strength, +23°C         | N     | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | 14    | 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 | 128   | °C    | ISO 75-1/-2     |
| <sup>[C]</sup> Vicat softening temperature, B           | 145   | °C    | ISO 306         |
| <sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.    | HB    | class | IEC 60695-11-10 |
| Thickness tested  | 1.5   | mm    | -               |

[C]: CAMPUS

**Other properties**

|                        | Value | Unit              | Test Standard |
|------------------------|-------|-------------------|---------------|
| <sup>[C]</sup> Density | 1180  | kg/m <sup>3</sup> | ISO 1183      |

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

U.V. stabilized or stable to weather

**Delivery form**

White

**Regional Availability**

North America, Europe, Asia Pacific, Near East/Africa

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

|                               |  |
|-------------------------------|--|
| Pre-Drying Conditions         | 120 °C in a dry air (dessiccant) dryer<br>for 2-4 h<br>120 °C in an air circulating dryer<br>for 4-12 h<br>max. moisture content <0,02 % |
| Processing Injection Moulding | melt temperature 270-310 °C<br>mould temperature 80-110 °C   |
| Storage                       | dry, protected from light  |