

Product Texts

| | |
|------------------------|---|
| Base Polymer | Polycarbonate |
| Filler/Additive System | special filler,UV stabilised |
| Special Features | translucent,light scattering,high light diffusion,extrusion grade |
| Market Segment | Lighting |
| Application Area | lighting,light transparent components |
| Typical Applications | lamp covers |

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|--|-------|------|---------------|
|--|-------|------|---------------|

ISO Data

| | | | |
|---|-----|------------------------|----------|
| ^[C] Melt volume-flow rate, MVR | 7 | cm ³ /10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |

[C]: CAMPUS

Mechanical properties

| | Value | Unit | Test Standard |
|--|-------|------|---------------|
|--|-------|------|---------------|

ISO Data

| | | | |
|--|------|-------------------|-------------|
| ^[C] Tensile Modulus | 2400 | MPa | ISO 527 |
| ^[C] Yield stress | 66 | MPa | ISO 527 |
| ^[C] Yield strain | 6 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 12 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

Thermal properties

| | Value | Unit | Test Standard |
|--|-------|------|---------------|
|--|-------|------|---------------|

ISO Data

| | | | |
|---|-----|-------|-----------------|
| ^[C] Temp. of deflection under load, 1.80 MPa | 124 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 142 | °C | ISO 306 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| ^[C] Burning Behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

[C]: CAMPUS

Other properties

| | Value | Unit | Test Standard |
|--|-------|------|---------------|
|--|-------|------|---------------|

| | | | |
|------------------------|------|-------------------|----------|
| ^[C] Density | 1190 | kg/m ³ | ISO 1183 |
|------------------------|------|-------------------|----------|

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Light Diffusing

Additives

Antiblocking agent

Regional Availability

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

Special Characteristics

U.V. stabilized or stable to weather, Translucent

Other text information**Injection molding**

Pre-Drying Conditions

120 °C in a dry air (dessiccant) dryer
for 2-4 h

120 °C in an air circulating dryer
for 4-12 h

max. moisture content <0,02 %

Processing Extrusion melt temperature 240-280 °C

Storage dry, protected from light