

Product Texts

| | |
|------------------------|-------------------------|
| Base Polymer | Polycarbonate |
| Filler/Additive System | various |
| Market Segment | injection moulded parts |
| Application Area | various |
| Typical Applications | various |

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|---|-------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 38 | 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 | 2300 | MPa | ISO 527 |
| ^[C] Yield stress | 65 | 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 | 8 | 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 | 125 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 139 | °C | ISO 306 |

[C]: CAMPUS

Other properties

| | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| ^[C] Density | 1190 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

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 for 2-3 h
in an air circulating dryer 100-120 °C for 4-12 h
dependant on moisture content
max. moisture content <0,02 %

Processing Injection Moulding melt temperature 270-310 °C
mould temperature 80-110 °C

Storage dry, protected from light