

Product Texts

| | |
|------------------------|---|
| Base Polymer | Polycarbonate |
| Filler/Additive System | hygienic material |
| Colour | natural color |
| Special Features | antibacterial acc. to ISO 22196:2011, permanent antibacterial, anti-microbial, contain no nanosilver, heat stabilised, good flow, processing stabilised |
| Market Segment | packaging, Personal care, household goods, electrical and electronic (E&E), sport and leisure |
| Application Area | injection moulded parts |
| Typical Applications | sanitary articles, hygiene products, domestic appliances, functional components, housings |

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|---|-------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 20 | 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 | 2200 | MPa | 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]: CAMPUS

Other properties

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

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical, Packaging, Sports Equipment

Delivery form

Natural Color

Regional Availability

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

Special Characteristics

Heat stabilized or stable to heat

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
tightly sealed