

Product Texts

| | |
|------------------------|-------------------------|
| Base Polymer | Polycarbonate |
| Filler/Additive System | 20 % PTFE |
| Special Features | improved sliding / wear |
| Market Segment | Automotive, Machinery |
| Application Area | injection moulded parts |
| Typical Applications | functional components |

Processing/Physical Characteristics

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

ISO Data

| | | | |
|---|-----|------------------------|----------|
| ^[C] Melt volume-flow rate, MVR | 8 | 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] Yield stress | 49 | MPa | ISO 527 |
| ^[C] Yield strain | 5.5 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 15 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

Thermal properties

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

ISO Data

| | | | |
|--|-----|-------|-----------------|
| ^[C] Vicat softening temperature, B | 147 | °C | ISO 306 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |

[C]: CAMPUS

Other properties

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

| | | | |
|------------------------|------|-------------------|----------|
| ^[C] Density | 1310 | kg/m ³ | ISO 1183 |
|------------------------|------|-------------------|----------|

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

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

Applications

Automotive

Other text information**Injection molding**

Pre-Drying Conditions 120 °C in a dry air (dessiccant) dryer
for 2-3 h
dependant on moisture content

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

Storage dry, protected from light