

Product Texts

| | |
|------------------------|---|
| Base Polymer | Polypropylene Random Copolymer |
| Filler/Additive System | special filler |
| Special Features | high density |
| Market Segment | Furniture,building and construction,sport and leisure |
| Application Area | injection moulded parts |
| Typical Applications | fixing elements |

Processing/Physical Characteristics

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

ISO Data

| | | | |
|---|------|------------------------|----------|
| ^[C] Melt volume-flow rate, MVR | 3 | cm ³ /10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |

[C]: CAMPUS

Mechanical properties

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

ISO Data

| | | | |
|--|------|-------------------|-------------|
| ^[C] Tensile Modulus | 3200 | MPa | ISO 527 |
| ^[C] Yield stress | 10 | MPa | ISO 527 |
| ^[C] Yield strain | 0.5 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 10 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 3.5 | 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 | 75 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 88 | °C | ISO 306 |

[C]: CAMPUS

Other properties

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

| | | | |
|------------------------|------|-------------------|----------|
| ^[C] Density | 2600 | 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 in a dry air (dessiccant) dryer 60-90 °C
 for 2-4 h
 in an air circulating dryer 60-90 °C
 for 2-4 h
 dependant on moisture content

Processing Injection Moulding melt temperature 200-270 °C
 mould temperature 20-90 °C

Storage dry, protected from light