

Product Texts

Due to limited hydrolysis resistance, this material should only be used in dry environments.

| Mechanical properties | Value | Unit | Test Standard |
|--|---------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Yield stress | 15 | MPa | ISO 527 |
| ^[C] Yield strain | 23 | % | ISO 527 |
| ^[C] Nominal strain at break | >50 | % | ISO 527 |
| ^[C] Charpy impact strength, -30°C | 6 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | N | kJ/m ² | ISO 179/1eA |
| ^[C] Charpy notched impact strength, -30°C | 6 | kJ/m ² | ISO 179/1eA |
| ^[C] Tear strength | 165 | kN/m | ISO 34-1 |
| ^[C] Shore D hardness | 55 | - | ISO 7619-1 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 195 | °C | ISO 11357-1/-3 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 80 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 85 | °C | ISO 306 |
| ^[C] Coeff. of linear therm. expansion, parallel | 160 | E-6/K | ISO 11359-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Yellow Card available | yes | - | - |
| ^[C] Burning Behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| Yellow Card available | yes | - | - |

[C]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|---|--------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Comparative tracking index | 600 | - | IEC 60112 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------------------|--------------|-------------------|----------------------|
| ^[C] Water absorption | 0.6 | % | Sim. to ISO 62 |
| ^[C] Humidity absorption | 0.25 | % | Sim. to ISO 62 |
| ^[C] Density | 1260 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Film Extrusion, Sheet Extrusion, Other Extrusion, Coating

Special Characteristics

Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America, Europe

Other text information

Injection molding

[Injection Molding Recommendations](#)
[Steel recommendations for molds screws and barrels](#)
[Trouble shooting guideline for injection molding](#)

Film extrusion

[Arnitel® Recommendations for Extrusion](#)

Other extrusion

[Extrusion guideline Arnitel® C and Arnitel® U](#)

[Arnitel® Recommendations for Extrusion](#)