

Product Texts

Film Extrusion, Food Contact Quality

ISO 18064 TPC-ET

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 9 | cm ³ /10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy impact strength, -30°C | N | 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 | 25 | kJ/m ² | ISO 179/1eA |
| ^[C] Stress at 10% elongation | 12 | MPa | ISO 527 |
| ^[C] Stress at 100% elongation | 16 | MPa | ISO 527 |
| ^[C] Stress at break TPE | 25 | MPa | ISO 527 |
| ^[C] Strain at break TPE | >300 | % | ISO 527 |
| ^[C] Compression set at 70 °C, 24h | 40 | % | ISO 815 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 207 | °C | ISO 11357-1/-3 |
| ^[C] Vicat softening temperature, B | 90 | °C | ISO 306 |
| ^[C] Coeff. of linear therm. expansion, parallel | 150 | E-6/K | ISO 11359-1/-2 |
| ^[C] Coeff. of linear therm. expansion, normal | 150 | 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]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|---|-------|-------|---------------|
| ISO Data | | | |
| ^[C] Relative permittivity, 100Hz | 4.4 | - | IEC 62631-2-1 |
| ^[C] Relative permittivity, 1MHz | 4 | - | IEC 62631-2-1 |
| ^[C] Dissipation factor, 1MHz | 400 | E-4 | IEC 62631-2-1 |
| ^[C] Volume resistivity | 1E11 | Ohm*m | IEC 62631-3-1 |
| ^[C] Electric strength | 21 | kV/mm | IEC 60243-1 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------------------|-------|-------------------|----------------|
| ^[C] Water absorption | 0.65 | % | Sim. to ISO 62 |
| ^[C] Humidity absorption | 0.2 | % | Sim. to ISO 62 |
| ^[C] Density | 1200 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Film Extrusion, Profile Extrusion, Other Extrusion

Certifications

Food contact

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

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**[Arnitel® Recommendations for Extrusion](#)