

Product Texts

- (PC ABS)-Blend
- Vicat/B 120 temperature = 130 °C
- easy flowing
- high gloss
- brilliant colors

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-------|------------------------|-----------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 17 | cm ³ /10min | ISO 1133 |
| Temperature | 260 | °C | - |
| Load | 5 | kg | - |
| ^[C] Molding shrinkage, parallel | 0.8 | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 0.8 | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 2250 | MPa | ISO 527 |
| ^[C] Yield stress | 55 | MPa | ISO 527 |
| ^[C] Yield strain | 5 | % | ISO 527 |
| ^[C] Puncture energy, +23°C | 46 | J | ISO 6603-2 |
| ^[C] Puncture energy, -30°C | 52 | J | ISO 6603-2 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 108 | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 126 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 128 | °C | ISO 306 |
| ^[C] Coeff. of linear therm. expansion, parallel | 70 | E-6/K | ISO 11359-1/-2 |
| ^[C] Coeff. of linear therm. expansion, normal | 75 | E-6/K | ISO 11359-1/-2 |
| ^[C] Burning Behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

[C]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|---|-------|-------|---------------|
| ISO Data | | | |
| ^[C] Relative permittivity, 100Hz | 3 | - | IEC 62631-2-1 |
| ^[C] Relative permittivity, 1MHz | 2.9 | - | IEC 62631-2-1 |
| ^[C] Dissipation factor, 100Hz | 20 | E-4 | IEC 62631-2-1 |
| ^[C] Dissipation factor, 1MHz | 90 | E-4 | IEC 62631-2-1 |
| ^[C] Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| ^[C] Electric strength | 35 | kV/mm | IEC 60243-1 |
| ^[C] Comparative tracking index | 225 | - | IEC 60112 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------------------|-------|-------------------|----------------|
| ^[C] Water absorption | 0.7 | % | Sim. to ISO 62 |
| ^[C] Humidity absorption | 0.2 | % | Sim. to ISO 62 |
| ^[C] Density | 1140 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Test specimen production | Value | Unit | Test Standard |
|--|-------|------|---------------|
| ISO Data | | | |
| ^[C] Injection Molding, melt temperature | 260 | °C | ISO 294 |
| Injection Molding, mold temperature | 80 | °C | ISO 294 |

| | | | |
|---------------------------------------|------------|------|---------|
| Injection Molding, injection velocity | 240 | mm/s | ISO 294 |
|---------------------------------------|------------|------|---------|

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 100 - 110 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 240 - 280 | °C | - |
| Mold temperature | 70 - 100 | °C | - |

Characteristics

Processing

Injection Molding

Additives

Release agent

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding

PREPROCESSING

Max. Water content: 0.02 %

Drying temperature: 100 - 110 °C

(depending on the grade 10°C below the Vicat VST/B120 temperature, but not higher as the recommended values).

Drying time:

Circulating air drying oven (50 % fresh air) 4-8 h

Fresh air dryer (high speed dryer) 2-4 h

Dry air dryer 2-4 h

PROCESSING

Melt temperature: 240-280 °C

Mold temperature: 70-100 °C

Use open nozzle.