

Product Texts

- (PC+ABS)-Blend
- General Purpose Grade
- Vicat/B 120 temperature = 131 °C
- good injection molding processing behaviour (easy flowing)
- excellent long-term ageing behaviour under humid conditions and painting performance
- improved chemical resistance
- low VOC emissions and odour

Partially bio-circular grade / Attributed via mass balance (according to ISCC PLUS Standard).

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------|------------------------|-----------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 18 | 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 | 2300 | MPa | ISO 527 |
| ^[C] Yield stress | 56 | MPa | ISO 527 |
| ^[C] Yield strain | 4.9 | % | ISO 527 |
| ^[C] Nominal strain at break | >50 | % | ISO 527 |
| ^[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 | 60 | kJ/m ² | ISO 179/1eA |
| ^[C] Charpy notched impact strength, -30°C | 47 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 57 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 46 | kJ/m ² | ISO 180/1A |
| Temperature | -30 | °C | - |
| ^[C] Puncture - maximum force, +23°C | 4500 | N | ISO 6603-2 |
| ^[C] Puncture - maximum force, -30°C | 5400 | N | ISO 6603-2 |
| ^[C] Puncture energy, +23°C | 48 | J | ISO 6603-2 |
| ^[C] Puncture energy, -30°C | 56 | J | ISO 6603-2 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|------------|-------|-----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 106 | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 127 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 129 | °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 | 70 | 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 | 3 | - | 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 |

Bayblend® T85 X RE
(PC+ABS)

Covestro Deutschland AG

| | | | |
|--------------------------------|-------|-------|---------------|
| [C] Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| [C] Electric strength | 40 | kV/mm | IEC 60243-1 |
| [C] Comparative tracking index | 225 | - | IEC 60112 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|-------------------------|-------|-------------------|----------------|
| [C] Water absorption | 0.4 | % | Sim. to ISO 62 |
| [C] Humidity absorption | 0.1 | % | 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 | 280 | °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 | 95 - 110 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.01 | % | - |
| Melt temperature | 270 - 290 | °C | - |
| Mold temperature | 70 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Features

Low Emission, Low Odor

Chemical Resistance

General Chemical Resistance

Certifications

Contains renewable resources, ISCC Plus

Applications

General Purpose

Regional Availability

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