

Product Texts

- (PC ABS)-Blend
- Vicat/B 120 temperature = 115°C
- suitable for use in electrical and electronic devices
- Manufactured according to GMP
- tested only according to ISO 10993-5 and ISO 10993-10 for contact with uncompromised skin only
- for questions regarding biocompatibility we ask for an email inquiry under plastics@covestro.com

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|------------|------------------------|-----------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 11 | cm ³ /10min | ISO 1133 |
| Temperature | 260 | °C | - |
| Load | 5 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.6 | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|---------------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 2650 | MPa | ISO 527 |
| ^[C] Yield stress | 69 | MPa | ISO 527 |
| ^[C] Yield strain | 5 | % | ISO 527 |
| ^[C] Nominal strain at break | >50 | % | ISO 527 |
| Izod impact strength, +23°C | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 40 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 10 | kJ/m ² | ISO 180/1A |
| Temperature | -30 | °C | - |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|------------|-------|-----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 98 | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 106 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 113 | °C | ISO 306 |
| ^[C] Coeff. of linear therm. expansion, parallel | 68 | E-6/K | ISO 11359-1/-2 |
| ^[C] Coeff. of linear therm. expansion, normal | 72 | E-6/K | ISO 11359-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Yellow Card available | yes | - | - |
| ^[C] Burning Behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Yellow Card available | yes | - | - |

[C]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|---|-----------------|-------|---------------|
| ISO Data | | | |
| ^[C] Relative permittivity, 100Hz | 3.2 | - | IEC 62631-2-1 |
| ^[C] Relative permittivity, 1MHz | 3.1 | - | IEC 62631-2-1 |
| ^[C] Dissipation factor, 100Hz | 37 | E-4 | IEC 62631-2-1 |
| ^[C] Dissipation factor, 1MHz | 75 | 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]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|---------------------------------|-------------|-------------------|----------------|
| ^[C] Water absorption | 0.5 | % | Sim. to ISO 62 |
| ^[C] Density | 1190 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 240 - 270 | °C | - |
| Mold temperature | 60 - 90 | °C | - |
| Zone 1 | 220 - 230 | °C | - |
| Zone 2 | 225 - 235 | °C | - |
| Zone 3 | 230 - 240 | °C | - |
| Nozzle temperature | 255 - 265 | °C | - |
| Back pressure | 5 - 15 | MPa | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Certifications

Medical Grade, Biocompatibility ISO 10993

Applications

Electrical and Electronical, Medical

Regional Availability

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