

Product Texts

- (PC+PBT) blend
- unreinforced
- flame-retardant
- UV-stabilized
- impact modified
- injection molding grade. Good impact strength, dimensional stability and excellent chemical resistance. 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	35	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
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	55	MPa	ISO 527
^[C] Yield strain	4	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2350	MPa	ISO 178
Flexural strength	85	MPa	ISO 178
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	50	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	45	kJ/m ²	ISO 180/1A
Izod notched impact strength	13	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	77	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	89	°C	ISO 75-1/-2
Vicat softening temperature, B	99	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	2.4	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1250	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	≤0.01	%	-
Melt temperature	260	°C	-
Mold temperature	70	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, High impact or impact modified, U.V. stabilized or stable to weather

Chemical Resistance

General Chemical Resistance

Certifications

Biocompatibility ISO 10993

Regional Availability

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