

Product Texts

- (PC+ABS)-Blend
- General Purpose Grade
- Vicat/B 120 temperature = 124 °C
- good injection molding processing behaviour (easy flowing)
- excellent long-term ageing behaviour under humid conditions
- good 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	2250	MPa	ISO 527
^[C] Yield stress	53	MPa	ISO 527
^[C] Yield strain	4.7	%	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	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	55	kJ/m ²	ISO 180/1A
Izod notched impact strength	45	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
^[C] Puncture - maximum force, +23°C	4300	N	ISO 6603-2
^[C] Puncture - maximum force, -30°C	5200	N	ISO 6603-2
^[C] Puncture energy, +23°C	48	J	ISO 6603-2
^[C] Puncture energy, -30°C	53	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	103	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	125	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	122	°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	2.9	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	25	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	90	E-4	IEC 62631-2-1

Bayblend® T70 X RE

(PC+ABS)

Covestro Deutschland AG

[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
[C] Electric strength	40	kV/mm	IEC 60243-1
[C] Comparative tracking index	200	-	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	1130	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