

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

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, 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
^[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
^[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

Bayblend® T85 X
(PC+ABS)

Covestro Deutschland AG

[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

Characteristics

Processing

Injection Molding

Features

Low Emission, Low Odor

Chemical Resistance

General Chemical Resistance

Applications

General Purpose

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa