

Product Texts

This product contains 25% post-consumer PC recycle (region APAC) or 25% pre-consumer PC recycle (regions EMEA and NAFTA).

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	17	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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2310	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	4.8	%	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	50	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	54	kJ/m ²	ISO 180/1A
Izod notched impact strength	39	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Puncture - maximum force, +23°C	4400	N	ISO 6603-2
Puncture - maximum force, -30°C	5100	N	ISO 6603-2
Puncture energy, +23°C	46	J	ISO 6603-2
Puncture energy, -30°C	48	J	ISO 6603-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	107	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	128	°C	ISO 75-1/-2
Vicat softening temperature, B	129	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	0.5	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1150	kg/m ³	ISO 1183
Recycled resin content	25	%	-

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

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

Bayblend® T85 X R25

(PC+ABS)

Covestro Deutschland AG

Processing

Injection Molding

Certifications

Recycled Resin Content, Post-Consumer Recyclate

Regional Availability

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