

Product Texts

- (PC+ABS)-Blend
- 15 % mineral filled
- with 30 % post consumer recycle
- Vicat/B 120 temperature = 98 °C
- medium viscosity
- medium modulus
- low warpage
- flame-retardant

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-
^[C] Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	4700	MPa	ISO 527
^[C] Yield stress	63	MPa	ISO 527
^[C] Yield strain	2.8	%	ISO 527
^[C] Charpy impact strength, +23°C	106	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	84	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	5	kJ/m ²	ISO 179/1eA
^[C] Puncture - maximum force, +23°C	4000	N	ISO 6603-2
^[C] Puncture energy, +23°C	36	J	ISO 6603-2

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	86	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	92	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	95	°C	ISO 306
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.2	mm	-

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1310	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production

	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	240	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	240	mm/s	ISO 294

[C]: CAMPUS

Characteristics

Bayblend® FR3021 R30

(PC+ABS)-T15 FR(40)

Covestro Deutschland AG

Special Characteristics

Flame retardant

Features

Low Warpage

Certifications

Recycled Resin Content

Regional Availability

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