

Bayblend® FR3020 W BBS910

FR grades / Mineral filled

mineral filled PC blend; 5 % mineral filled; UV-stabilized; Vicat/B 120 temperature = 102 °C; flame-retardant;; UL recognition 94 V-0 (0.6mm); low smoke density

ISO Shortname

PC-I-TD5 FR(40)

Property	Test Condition	Unit	Standard	typical Value
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Rheological properties

C Melt volume-flow rate	260 °C; 5 kg	cm ³ /10 min	ISO 1133	24
C Melt viscosity	1000 s ⁻¹ ; 260 °C	Pa·s	b.o. ISO 11443-A	250

Mechanical properties (23 °C/50 % r. h.)

C Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	3200
C Yield stress	50 mm/min	MPa	ISO 527-1,-2	67
C Yield strain	50 mm/min	%	ISO 527-1,-2	4
Stress at break	50 mm/min	MPa	ISO 527-1,-2	51
Strain at break	50 mm/min	%	b.o. ISO 527-1,-2	> 50
Izod notched impact strength	23 °C	kJ/m ²	ISO 180-A	12
Izod notched impact strength	-30 °C	kJ/m ²	ISO 180-A	8

Thermal properties

C Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	102
C Burning behavior UL 94	0.6 mm	Class	UL 94	V-0

Processing conditions for test specimens

C Injection molding-Melt temperature		°C	ISO 294	260
C Injection molding-Mold temperature		°C	ISO 294	80
C Injection molding-Injection velocity		mm/s	ISO 294	240

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

Impact properties: N = non-break, P = partial break, C = complete break





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Disclaimer

Information Impact properties

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Typical value

These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

General

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Disclaimer Non Medical Grade

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