

Bayblend FR3200 TV

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(PC+ABS) blend; unreinforced; flame-retardant; injection molding grade; for high gloss applications, RHCM process etc.; Vicat/B 120 = 96 °C; easy flow; UL recognition 94 V-0 at 1.2 mm; antimony-, chlorine- and bromine-free flame retardant; formerly trial product Bayblend FR TP SH001.

ISO Shortname

Property	Test Condition	Unit	Standard	typical Value
Rheological properties				
C Melt volume-flow rate	240 °C; 5 kg	cm ³ /10 min	ISO 1133	31
Mechanical properties (23 °C/50 % r. h.)				
C Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	2600
C Yield stress	50 mm/min	MPa	ISO 527-1,-2	60
C Yield strain	50 mm/min	%	ISO 527-1,-2	3.7
Stress at break	50 mm/min	MPa	ISO 527-1,-2	46
Strain at break	50 mm/min	%	b.o. ISO 527-1,-2	> 50
Izod impact strength	23 °C	kJ/m ²	ISO 180-U	N
Izod notched impact strength	23 °C	kJ/m ²	ISO 180-A	25
Thermal properties				
C Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	80
Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	96
C Burning behavior UL 94	1.2 mm	Class	UL 94	V-0
Other properties (23 °C)				
C Density		kg/m ³	ISO 1183-1	1195
Processing conditions for test specimens				
C Injection molding-Melt temperature		°C	ISO 294	240
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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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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