



Bayblend® W90 XG

Standard grades / Non reinforced

PC+ASA-Blend; Vicat/B 120 temperature = 115°C; UV-stabilized; very good surface finish

ISO Shortname

PC + ASA

Property	Test Condition	Unit	Standard	typical Value
Rheological properties				
C Melt volume-flow rate	260 °C; 5 kg	cm ³ /10 min	ISO 1133	34
C Molding shrinkage, parallel	60x60x2 mm	%	ISO 294-4	0.5-0.7
C Molding shrinkage, normal	60x60x2 mm	%	ISO 294-4	0.5-0.7
Mechanical properties (23 °C/50 % r. h.)				
C Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	2830
C Yield stress	50 mm/min	MPa	ISO 527-1,-2	65
C Yield strain	50 mm/min	%	ISO 527-1,-2	4
Stress at break	50 mm/min	MPa	ISO 527-1,-2	50
Strain at break	50 mm/min	%	b.o. ISO 527-1,-2	50
Flexural modulus	2 mm/min	MPa	ISO 178	2840
Flexural modulus	2 mm/min	MPa	b.o. ISO 178	100
Flexural strain at flexural strength	2 mm/min	%	ISO 178	5
Flexural stress at 3.5 % strain	2 mm/min	MPa	ISO 178	85
Izod notched impact strength	23 °C	kJ/m ²	ISO 180-A	14
Izod notched impact strength	-30 °C	kJ/m ²	ISO 180-A	7
C Puncture maximum force	23 °C	N	ISO 6603-2	4800
C Puncture maximum force	-30 °C	N	ISO 6603-2	4250
C Puncture energy	23 °C	J	ISO 6603-2	45
C Puncture energy	-30 °C	J	ISO 6603-2	20
Thermal properties				
C Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	93
C Temperature of deflection under load	0.45 MPa	°C	ISO 75-1,-2	112
C Vicat softening temperature	50 N; 50 °C/h	°C	ISO 306	113
Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	115
C Coefficient of linear thermal expansion, parallel	23 to 55 °C	10 ⁻⁴ /K	ISO 11359-1,-2	0.7
C Coefficient of linear thermal expansion, transverse	23 to 55 °C	10 ⁻⁴ /K	ISO 11359-1,-2	0.7
Other properties (23 °C)				
C Density		kg/m ³	ISO 1183-1	1138
Processing conditions for test specimens				
C Injection molding-Melt temperature		°C	ISO 294	260
C Injection molding-Mold temperature		°C	ISO 294	70-75
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

