



Bayblend DP T90

Standard grades / Non reinforced

General purpose injection molding grade; Vicat/B 120 temperature = 127 °C; excellent flow.

ISO Shortname

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Spiral flow length	260 °C; 2 x 8.7 mm	mm	Bayer test	440
C Melt volume-flow rate	260 °C; 5 kg	cm ³ /(10 min)	ISO 1133	25
Molding shrinkage, parallel	150x105x3; 260 °C / MT 80 °C; 500 bar	%	acc. ISO 2577	0.55 - 0.75
Molding shrinkage, normal	150x105x3; 260 °C / MT 80 °C; 500 bar	%	acc. ISO 2577	0.55 - 0.75
Mechanical properties (23 °C/50 % r. h.)				
C Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	2300
Strain at break	50 mm/min	%	acc. ISO 527-1,-2	> 50
Izod impact strength	23 °C	kJ/m ²	ISO 180-1U	N
Izod impact strength	-30 °C	kJ/m ²	ISO 180-1U	N
Izod notched impact strength	23 °C	kJ/m ²	ISO 180-1A	42
Izod notched impact strength	-30 °C	kJ/m ²	ISO 180-1A	20
Thermal properties				
C Vicat softening temperature	50 N; 50 °C/h	°C	ISO 306	125
Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	127
C Burning behavior UL 94 (1.6 mm)	1.5 mm	Class	UL 94	HB
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.