Makroblend® UT203

/ (PC+PET)-blend, impact modified, UV-stabilized, Injection molding grade

ISO Shortname

	Property	Test Condition	Unit	Standard	typical Value
Rheological properties					
C	Melt volume-flow rate	260 °C; 5 kg	cm³/10 min	ISO 1133	17
	Molding shrinkage, parallel/normal	Value range based on general practical experience (600bar)	%	b.o. ISO 2577	0,6 - 0,8
Mechanical properties (23 °C/50 % r. h.)					
C	Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	2350
C	Yield stress	50 mm/min	MPa	ISO 527-1,-2	59
C	Nominal strain at break	50 mm/min	%	ISO 527-1,-2	50
	Izod notched impact strength	23 °C	kJ/m²	ISO 180-A	75
Thermal properties					
C	Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	106
C	Temperature of deflection under load	0.45 MPa	°C	ISO 75-1,-2	128
	Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	138
C	Burning behavior UL 94 (1.5 mm)	1.5 mm	Class	UL 94	HB
Other properties (23 °C)					
C	Density		kg/m³	ISO 1183-1	1210
Processing conditions for test specimens					
C	Injection molding-Melt temperature		°C	ISO 294	260-275
C	Injection molding-Mold temperature		°C	ISO 294	40-80
C	Injection molding-Injection velocity		mm/s	ISO 294	200

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