

Provisional document



Document	ISO Datasheet
Description	PC
Grade	ISOCLEAR A 10 80 GF15 BK
Application	Injection moulding

15% glass fiber reinforced Polycarbonate. Black color.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (300°C - 1,20 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm ³	1,30
Mould Shrinkage (%)	INTERNAL	%	0,3-0,7
Thermal			
Vicat B50	ISO 306	°C	145
HDT, A (1.80 MPa)	ISO 75/Af	°C	135
Mechanical			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	4200
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	80
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	3
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	8
Flammability Class			
Flammability class (3,0 mm)	UL94		HB
Processing			
Melt Temperature Range	ISO 294	°C	270-300
Mold Temperature Range	ISO 294	°C	80-100
Injection Speed	ISO 294		HIGH
Drying Temperature		°C	120
Drying Time		Hour	3
Regulation compliance			
RoHS compliance status:	COMPLIANT		

§ Molding shrinkage is not an intrinsic property of plastics. It also depends on molding parameters. The values reported have been calculated in the direction parallel to the flow in a laboratory injection-molded specimen.

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