



Technical Datasheet

Ver. 2018

Material Type	PC/ABS	Grade Name	CB1230		
Features	• High Impact Resistance • High Heat Resistance • Excellent Comprehensive Properties				
Material Standard	GS 93016/DBL 5404/GMW 15581/VW TL52231A				
Availability	North America/Asia-Pacific				
Process Method	Injection Molding				
Appearance	Colors Optional				
Applications	Automotive Interior and Exteriors				
General Properties					
No.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm^3	1.13	23°C
2	Tensile Strength at Yield	ISO 527-2	MPa	53	50mm/min
3	Flexural Strength	ISO 178	MPa	82	2mm/min,64mm
4	Flexural Modulus	ISO 178	MPa	2300	2mm/min,64mm
5	Notched Impact Strength	ISO 179-1	kJ/m^2	55	23°C
6	Heat Deflection Temp.	ISO 75-2	°C	122	0.45MPa,120°C/
7	Heat Deflection Temp.	ISO 75-2	°C	101	1.8MPa,120°C/h
8	Vicat Softening Temp.	ISO 306	°C	122	B50
9	Melt Flow Rate	ISO 1133-1	g/10min	20	260°C×5kg
10	Elongation at Break	ISO 527-2	%	≥50	50mm/min
11	Notched Impact Strength	ISO 179-1	kJ/m^2	32	-30°C
12	Flammability (Burn Rate)	ISO 3795	mm/min	29	
Processing Conditions					
Drying Cond.	• 100-110°C * 4-6h		Moisture Contro • < 0.05%		
Injection Temp.	• 240-260 °C(F), 230-250 °C(M), 210-230 °C(B)				
Injection Speed	• Low to Medium				
Injection Pressure	• 70-110 MPa				
Back Pressure	• 0.3-0.7 MPa				
Mold Temp.	• 50-80 °C				

Note : The technical data above are authentic and reliable for reference. These values cannot be defined as the minimal performance value.