

Material Type	PC/ABS	Trademark	Grade Name	CB3110-GX
Feature		<ul style="list-style-type: none"> Low Gloss , Easy Flow and High Impact 		
Material Standard		<ul style="list-style-type: none"> XXXXXX 		
Availability		<ul style="list-style-type: none"> Asian-Pacific, America 		
Processing method		<ul style="list-style-type: none"> Injection Molding 		
Appearance		<ul style="list-style-type: none"> Color is Optional 		
Applications		<ul style="list-style-type: none"> Automotive and Engineering parts 		

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Density	g/mL	1.10	ISO 1183	23 °C
2	Melt Flow Index	g/10min	20	ISO 1133	260°C, 5kg
3	Tensile Strength, Yield	MPa	44	ISO 527	50 mm/mm
4	Elongation at Break	%	>50	ISO 527	50 mm/mm
5	Tensile Modulus	MPa	2,050	ISO 527	1 mm/min
6	Flexural Strength	MPa	68	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	2000	ISO 178	2 mm/mm
8	Notched Impact Strength	kJ/m ²	50	ISO 179/1eA	23 °C
9	Charpy Impact Strength	KJ/m2	NB	ISO 179/1eU	23°C
10	Notched Impact Strength	KJ/m2	40	ISO 179/1eA	-30°C
11	Vicat Softening Temperature	°C	110	ISO 306	5kg, 50°C/h
12	HDT	°C	91	ISO 75	1.8MPa, 120°C/h
13	Flammability	mm/min	21	ISO 3795	3mm
14	Shrinkage	%	0.5-0.7	ISO 294	23 °C, 48h

Processing Conditions

Drying condition	90-100 °C, 2-4 h
Molding Temp.	230 - 260 °C (F), 220 - 240 °C (M), 210 - 230 °C (B)
Melt Temp.	230 - 270 °C
Mold Temp.	50 - 70 °C
Screw Speed	40 - 70 rpm
Injection Pressure	70 - 110 MPa
Back Pressure	0.40 – 0.70 MPa

Notes: This technical data in the product brochures are typical test results for reference, and should not be defined as minimum value.