


Product Information

PC/ABS C300

PC/ABS Alloy

	Characteristics	Excellent mechanical property and processing performance.		
	Applications	Taillight frame, monitor frame, mobile phone shell, etc.		
Properties (23℃)	Typical Value ^[1]		Unit	Test Method
Mechanical				
Tensile Stress	50	MPa	ISO 527	
Tensile Strain	80	%	ISO 527	
Flexural Stress	80	MPa	ISO 178	
Flexural Modulus	2300	MPa	ISO 178	
Izod Impact Strength (Notched)	50	kJ/m²	ISO 180	
Thermal				
HDT (1.8MPa, 120℃/h)	102	℃	ISO 75	
Melt Flow Index (260℃, 2.16kg)	10	g/10min	ISO 1133	
Other				
Density	1.12	g/cm³	ISO 1183	
Flammability	HB	Class	UL-94	
Mold Shrinkage	0.4-0.7	%	ISO 294	
Molding Process ^[2]				
Drying Condition	Temperature		90-110℃	
	Time		3-4h	
Mold Temperature	60-80℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	230-250℃	240-260℃	240-260℃	210-230℃

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.