

PC2203I

PC2203I is super high impact PC resin. It has high tenacity in low temperature and excellent UV stability. PC2203I is mainly used in mobile phone housing, etc.

Properties	Standard	Unit	Condition	Typical Value
Physical				
Density	ASTM D792	g/cm ³		1.19
Melt Index	ASTM D1238	g/10min	300℃×1.2kg	/
Mold Shrinkage	ASTM D955	%		0.5~0.7
Haze	ASTM D1003	%		/
Transmittance	ASTM D1003	%		/
Mechanical				
Tensile Strength	ASTM D638	MPa		60
Tensile Elongation at Break	ASTM D638	%		100
Flexural Strength	ASTM D790	MPa		78
Flexural Modulus	ASTM D790	MPa		1950
Notched Izod Impact, 3.2mm	ASTM D256	J/m	3.2mm, Notched	850
Thermal				
Heat Deflection Temp. 1.82MPa Unannealed	ASTM D648	℃	1.82MPa	125
Flammability				
Flammability	UL-94	Class	1.6mm	HB
Electrical Properties				
Volume Resistivity	IEC 60093	Ohm-cm	/	> 1.0E+15
Surface Resistivity	IEC 60093	Ohm	/	> 1.0E+15

Note: 1) These are typical property values, not specifications.

2) In case of colored products, the values could vary slightly by color.

3) Values are measured at 23℃ and in RH of 50% on injection molded specimens.

4) UL File No. E254819.

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Processing Parameters	Typical Value	Unit
Drying Temperature	100~120	℃
Drying Time	3~4	hour
Maximum moisture content		%
Barrel Temperature		
Rear		℃
Middle		℃
Front		℃
Nozzle		℃
Melt Temperature	240~290	℃
Mold Temperature	60~100	℃
Back Pressure		MPa
Screw Speed		rpm

Note:

1)The above data is only for reference. Exact settings have to follow the product,injection machine and mold.

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