

## PC CA-8010

### Product Description

High light transmittance, halogen-free, antimony-free flame retardant injection molding grade modified PC

### Features and application fields

Medium viscosity, excellent light transmittance, halogen-free, antimony-free flame retardant, suitable for auto parts, household appliances and other fields

### Typical performance

Test item	Test condition	Test standard	Unit	Reference
<b>Basic properties</b>				
Proportion	23°C	ISO 1183	g/cm <sup>3</sup>	1.2
The melt flow rate	260°C, 5KG	ISO1133	g/10min	10
<b>Mechanical behavior</b>				
Tensile Strength	50mm/min	ISO 527-2	MPa	56
Elongation at break	50mm/min	ISO 527-2	%	30
Bending strength	2mm/min	ISO 178	MPa	87
Flexural modulus	2mm/min	ISO 178	MPa	2200
Simply supported beam notched punch	23°C	ISO 179-1	KJ/m <sup>2</sup>	60
<b>Thermal performance</b>				
Heat distortion temperature	1.8MPa	ISO 75-2	°C	132
Vicat softening point temperature	B50	ISO 306	°C	145
<b>Flame retardant properties</b>				
Flame retardancy	1.6mm	UL94	Class	V2
<b>Optical performance</b>				
Transmittance	3.2mm	ASTM	%	89
<b>Recommended processing conditions</b>				
Drying temperature			°C	100-120
Drying time			h	2-4
Injection temperature			°C	260-290
Mold temperature			°C	60-120

Note: This typical physical property is not a sales specification