

PC CA-8140

Product Description

Halogen-free, antimony-free flame retardant injection molding grade modified PC

Features and application fields

Medium viscosity, 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
Basic properties				
Proportion	23°C	ISO 1183	g/cm ³	1.2
The melt flow rate	260°C, 5KG	ISO1133	g/10min	12
Mechanical behavior				
Tensile Strength	50mm/min	ISO 527-2	MPa	55
Elongation at break	50mm/min	ISO 527-2	%	30
Bending strength	2mm/min	ISO 178	MPa	90
Flexural modulus	2mm/min	ISO 178	MPa	2300
Simply supported beam notched punch	23°C	ISO 179-1	KJ/m ²	60
Thermal performance				
Heat distortion temperature	1.8MPa	ISO 75-2	°C	130
Vicat softening point temperature	B50	ISO 306	°C	141
Flame retardant properties				
Flame retardancy	1.6mm	UL94	Class	V0
Recommended processing conditions				
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