

# SILVER® PC230

Polycarbonate

Guangdong Silver Age Sci & Tech. Co., Ltd

Message:

SILVER® Polycarbonate is applied to many fields, such as automobiles, office automation equipments, electronics, medical equipments and sports equipments. In addition, the custom—made products should be developed by buyers ‘ requirements in order to meet special usage.

Halogen-free Flame Retardant PC

Characteristic:

UL-94 V0/3.0mm, transparent

Application:

lens, lamp accessory, ammeter, electric fittings

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Clarity		
Uses	Electrical/Electronic Applications		
	Lenses		
	Lighting Applications		
	Lighting Fixtures		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	60.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	130	%	ASTM D638
Flexural Modulus <sup>3</sup>	2080	MPa	ASTM D790
Flexural Strength <sup>4</sup>	76.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	78.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	142	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	265 to 315	°C	
NOTE			

1.	50 mm/min
2.	50 mm/min
3.	5.5 mm/min
4.	5.5 mm/min

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#### Recommended distributors for this material

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