

Yuyao PC PC102

Polycarbonate

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PC PC102 is a Polycarbonate (PC) product. It can be processed by injection molding and is available in Asia Pacific. Typical application:

Electrical/Electronic Applications.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Toughness
- Heat Resistant
- High Gloss

General Information			
Additive	Flame Retardant		
Features	Electrically Insulating		
	Flame Retardant		
	Good Stability		
	Good Toughness		
	High Gloss		
	High Heat Resistance		
Uses	Electrical Parts		
Appearance	Grey		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	95.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	13.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.60 mm	V-1		

3.20 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	105 to 110	°C
Drying Time	4.0 to 5.0	hr
Processing (Melt) Temp	210 to 255	°C
Mold Temperature	60.0 to 80.0	°C
Injection Pressure	70.0 to 100	MPa

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