

Yuyao PC PC302

Polycarbonate

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PC PC302 is a Polycarbonate (PC) product filled with 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PC PC302 include appliances, automotive, business/office goods and electrical/electronic applications. Characteristics include:

- Flame Rated
- Flame Retardant
- Good Dimensional Stability
- Good Toughness
- Halogen Free

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Electrically Insulating		
	Flame Retardant		
	Good Dimensional Stability		
	Good Toughness		
	Halogen Free		
	High Heat Resistance		
Uses	Appliance Components		
	Automotive Applications		
	Business Equipment		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	105	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength	130	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)	145	°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-1		
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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