

# Yuyao PC PC303

Polycarbonate

Yuyao Tenglong Plastics Co., Ltd.

## Message:

Yuyao PC PC303 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 PC303 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	1.43	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6000	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	15.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	148	°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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

