

# Yuyao PP PP Glass-filled

Polypropylene

Yuyao Tenglong Plastics Co., Ltd.

## Message:

Yuyao PP PP Glass-filled is a Polypropylene product filled with glass fiber. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PP PP Glass-filled include appliances, automotive, electrical/electronic applications and furniture.

Characteristics include:

- Flame Rated
- Chemical Resistant
- Good Dimensional Stability
- Good Processability
- High Gloss

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	High Gloss		
	High Strength		
Uses	Appliance Components		
	Automotive Applications		
	Electrical/Electronic Applications		
	Furniture		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20 to 1.30	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	6700	MPa	ASTM D790
Flexural Strength	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	10.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.60 mm	HB		

3.20 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	90.0 to 95.0	°C
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	195 to 225	°C
Mold Temperature	45.0 to 80.0	°C
Injection Pressure	60.0 to 90.0	MPa

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#### Recommended distributors for this material

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