

# Yuyao PPO GFN2-801

Polyphenylene Ether + PS  
Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PPO GFN2-801 is a Polyphenylene Ether + PS (PPE+PS) product filled with glass fiber. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PPO GFN2-801 include engineering/industrial parts and plumbing/piping/potable water. Characteristics include:  
Flame Rated  
Eco-Friendly/Green  
Good Dimensional Stability  
Halogen Free  
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Environmentally Sound		
	Good Dimensional Stability		
	Halogen Free		
	High Heat Resistance		
	High Strength		
	Hydrolysis Resistant		
Uses	Plumbing Parts		
	Pump Parts		
	Valves/Valve Parts		
Appearance	Yellow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	5500	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	8.00	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.3E+3	ohms · cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	105 to 120	°C	
Drying Time	4.0 to 5.0	hr	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	70.0 to 100	MPa	

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#### Recommended distributors for this material

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