

# Yuyao PPO GFN2-780

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

Message:

Yuyao PPO GFN2-780 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 GFN2-780 include electrical/electronic applications and engineering/industrial parts.

Characteristics include:

Flame Rated  
Eco-Friendly/Green  
Halogen Free  
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Environmentally Sound		
	Good Electrical Properties		
	Good Strength		
	Halogen Free		
	High Heat Resistance		
Uses	Electrical Parts		
	Structural Parts		
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	V-1		

3.20 mm	V-1	
Injection	Nominal Value	Unit
Drying Temperature	100 to 115	°C
Drying Time	4.0 to 5.0	hr
Processing (Melt) Temp	250 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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