

Yuyao PPO GFN2-501

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

Message:

Yuyao PPO GFN2-501 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. Typical application: Plumbing/Piping/Potable Water.
Characteristics include:
Flame Rated
Good Dimensional Stability
Halogen Free
Heat Resistant
High Strength

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Dimensional Stability		
	Halogen Free		
	High Heat Resistance		
	High Strength		
	Hydrolysis Resistant		
Uses	Plumbing Parts		
Appearance	Blue-Green		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	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 ²	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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