

Yuyao PPO GFN2-101

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

Message:

Yuyao PPO GFN2-101 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
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		
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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Recommended distributors for this material

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