

# Yuyao PPO N100A

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

Message:

Yuyao PPO N100A is a Polyphenylene Ether + PS (PPE+PS) product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Electrical/Electronic Applications.  
Characteristics include:  
Flame Rated  
Flame Retardant  
Good Dimensional Stability  
Good Toughness  
Halogen Free

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Electrical Properties		
	Good Flow		
	Good Toughness		
	Halogen Free		
	High Rigidity		
	Low Shrinkage		
Uses	Connectors		
	Electrical Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	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	65.0	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	3200	MPa	ASTM D790
Flexural Strength	100	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)	100	°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-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	95.0 to 105	°C	
Drying Time	4.0 to 5.0	hr	
Processing (Melt) Temp	190 to 255	°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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