

# Yuyao PPO N100B802

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

Message:

Yuyao PPO N100B802 is a Polyphenylene Ether + PS (PPE+PS) product. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	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	60.0	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-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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