

Yuyao PPO N100

Polyphenylene Ether + PS

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PPO N100 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
- Low Shrinkage

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Electrical Properties		
	Good Flow		
	Good Toughness		
	High Rigidity		
	Low Shrinkage		
Uses	Connectors		
	Electrical Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	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 ²	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	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT