

Yuyao PA 011BG30

Polyamide 66/6 Copolymer

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PA 011BG30 is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 30% glass fiber. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PA 011BG30 include electrical/electronic applications, appliances, automotive and tools.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Processability
- Heat Resistant
- High Strength

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Electrical Properties		
	Good Processability		
	High Heat Resistance		
	High Strength		
Uses	Appliance Components		
	Automotive Under the Hood		
	Communication Applications		
	Computer Components		
	Connectors		
	Electrical Parts		
	Power/Other Tools		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	150	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	6500	MPa	ASTM D790
Flexural Strength	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	13.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	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	90.0 to 95.0	°C	
Drying Time	5.0 to 8.0	hr	
Processing (Melt) Temp	245 to 265	°C	
Mold Temperature	40.0 to 80.0	°C	
Injection Pressure	80.0 to 100	MPa	

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