

Yuyao PP TL203 (GF)

Polypropylene

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PP TL203 (GF) is a Polypropylene product filled with 30% glass fiber. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PP TL203 (GF) include housings, agricultural, appliances and industrial applications. Characteristics include:
Flame Rated
Corrosion Resistant
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Corrosion Resistance		
	Good Flow		
	Good Strength		
	High Heat Resistance		
Uses	Appliance Components		
	Electrical Housing		
	Housings		
	Industrial Applications		
	Irrigation Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	10.0	kJ/m²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Flammability	Nominal Value		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	2.0 to 3.0	hr
Processing (Melt) Temp	215 to 245	°C
Mold Temperature	45.0 to 80.0	°C
Injection Pressure	70.0 to 90.0	MPa

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