

Yuyao PP TL203

Polypropylene

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PP TL203 is a Polypropylene product filled with glass fiber. It can be processed by injection molding and is available in Asia Pacific. Typical application: Lighting Applications.
Characteristics include:
Flame Rated
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Heat Aging Resistance		
Uses	Lighting Fixtures		
Appearance	Purple		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	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)	3.5	%	ASTM D638
Flexural Modulus	6700	MPa	ASTM D790
Flexural Strength	120	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)	140	°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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