

Yuyao PP TL503

Polypropylene

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PP TL503 is a Polypropylene product filled with 30% calcium carbonate. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PP TL503 include appliances, automotive, electrical/electronic applications, furniture and housings. Characteristics include:

- Flame Rated
- Chemical Resistant
- Good Dimensional Stability
- Good Processability
- Heat Resistant

General Information			
Filler / Reinforcement	Calcium Carbonate,30% Filler by Weight		
Features	Electrically Insulating		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Good Strength		
	High Gloss		
	High Heat Resistance		
Uses	Appliance Components		
	Automotive Applications		
	Electrical/Electronic Applications		
	Furniture		
	Housings		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	5.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°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	195 to 225	°C	
Mold Temperature	45.0 to 80.0	°C	
Injection Pressure	60.0 to 90.0	MPa	

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