

Yuyao PP TL603

Polypropylene

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PP TL603 is a Polypropylene product filled with mineral. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PP TL603 include electrical/electronic applications, agricultural, appliances, handles and mining applications.

Characteristics include:

- Flame Rated
- Flame Retardant
- Heat Resistant
- Good Processability
- Halogen Free

General Information			
Filler / Reinforcement	Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Heat Aging Resistance		
	Good Processability		
	Good Thermal Stability		
	Halogen Free		
Uses	Agricultural Applications		
	Appliance Components		
	Communication Applications		
	Connectors		
	Electrical Parts		
	Flexible Grips		
	Mining Applications		
	Switches		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Flexural Strength	50.0	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)	135	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Processing (Melt) Temp	185 to 215	°C	
Mold Temperature	40.0 to 80.0	°C	
Injection Pressure	60.0 to 90.0	MPa	

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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

