

Yuyao PET PETG10

Polyethylene Terephthalate

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PET PETG10 is a Polyethylene Terephthalate (PET) product filled with 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific. Applications of Yuyao PET PETG10 include electrical/electronic applications, automotive, engineering/industrial parts and lighting applications.

Characteristics include:

- Flame Retardant
- Creep Resistant
- Fatigue Resistant
- Good Dimensional Stability
- Good Processability

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Fatigue Resistant		
	Flame Retardant		
	Good Creep Resistance		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	High Heat Resistance		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Connectors		
	Electrical Parts		
	Lighting Fixtures		
	Printed Circuit Boards		
	Valves/Valve Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	85.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (Area)	7.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	190	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	115 to 120	°C	
Drying Time	6.0 to 8.0	hr	
Processing (Melt) Temp	240 to 265	°C	
Mold Temperature	60.0 to 100	°C	
Injection Pressure	70.0 to 100	MPa	

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