

Zhongfa PBT G-10V

Polybutylene Terephthalate

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PBT G-10V is a polybutene terephthalate (PBT) material, which contains a 10% glass fiber reinforced material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PBT G-10V are:

flame retardant/rated flame

Flame Retardant

insulation

Creep resistance

Good dimensional stability

Typical application areas include:

Electrical/electronic applications

electrical appliances

Automotive Industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	Flame retardancy		
Features	Good dimensional stability		
	Insulation		
	Impact resistance, good		
	Good creep resistance		
	Good liquidity		
	Thermal stability, good		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	205	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information			
Notched Izod Impact, ASTM D256: 6 kJ/m ²			
Injection	Nominal Value	Unit	
Drying Temperature	115 - 120	°C	
Drying Time	6.0 - 8.0	hr	
Processing (Melt) Temp	230 - 265	°C	
Mold Temperature	60.0 - 100	°C	
Injection Pressure	70.0 - 100	MPa	

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