


Product Information

PBT T110

Mineral Filled Polybutylene Terephthalate

	Characteristics	Excellent surface gloss, less surface floating fibers, good thermal stability, excellent processing performance.		
	Applications	Auto-lamp bracket, Auto parts, electronic and electrical products, etc.		
Properties (23℃)	Typical Value ^[1]		Unit	Test Method
Mechanical				
Tensile Stress	78		MPa	ISO 527
Tensile Strain	5		%	ISO 527
Flexural Stress	135		MPa	ISO 178
Flexural Modulus	4000		MPa	ISO 178
Izod Impact Strength (Unnotched)	7		kJ/m ²	ISO 180
Thermal				
Melt Flow Index (235℃, 2.16kg)	18		g/10min	ISO 1133
Other				
Density	1.37		g/cm ³	ISO 1183
Surface Resistivity	1E14		Ohm	IEC 60093
Flammability	HB		Class	UL-94
Mold Shrinkage (MD)	0.4-0.8		%	ISO 294
Mold Shrinkage (TD)	0.9-1.4		%	ISO 294
Molding Process ^[2]				
Drying Condition	Temperature		110-130℃	
	Time		2-4 h	
Mold Temperature	40-70℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	240-260℃	230-270℃	230-270℃	200-240℃

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.

Product Information

PBT T130TK

30% Glass Fiber Reinforced Polybutylene Terephthalate

	Characteristics	High dimensional stability, good thermal stability, good mechanical property and excellent processing performance.		
	Applications	Auto-lamp bracket, wiper skeleton, electronic appliances, automotive interior structure parts, etc.		
Properties (23℃)	Typical Value ^[1]		Unit	Test Method
Mechanical				
Tensile Stress	135		MPa	ISO 527
Tensile Strain	2.5		%	ISO 527
Flexural Stress	215		MPa	ISO 178
Flexural Modulus	8900		MPa	ISO 178
Izod Impact Strength (Notched)	9		kJ/m ²	ISO 180
Thermal				
Heat Deflection Temperature(1.8MPa)	203		℃	ISO 75
Other				
Density	1.53		g/cm ³	ISO 1183
Flammability	HB		Class	UL-94
Mold Shrinkage (MD)	0.3-0.5		%	ISO 294
Mold Shrinkage (TD)	0.8-1.1		%	ISO 294
Molding Process ^[2]				
Drying Condition	Temperature		110-130℃	
	Time		2-4h	
Mold Temperature	40-80 ℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	250-280℃	240-270℃	230-260℃	220-240℃

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.