

PBT T425

Mineral Filled Polybutylene Terephthalate


Characteristics

High dimensional stability, good thermal stability, excellent processing performance, prime coating.

Applications

Auto-lamp decorative box, lamp reflector bowl, etc

Properties (23°C)	Typical Value ^[1]	Unit	Test Method	
Mechanical				
Tensile Stress	56	MPa	ISO 527	
Tensile Strain	2.0	%	ISO 527	
Flexural Stress	100	MPa	ISO 178	
Flexural Modulus	4500	MPa	ISO 178	
Izod Impact Strength (Unnotched)	45	kJ/m ²	ISO 180	
Thermal				
HDT (1.8MPa, 120°C/h)	175	°C	ISO 75	
Other				
Density	1.48	g/cm ³	ISO 1183	
Surface Resistivity	1E14	Ohm	IEC 60093	
Flammability	HB	Class	UL-94	
Mold Shrinkage (MD)	0.6-1.0	%	ISO 294	
Mold Shrinkage (TD)	0.7-1.1	%	ISO 294	
Molding Process^[2]				
Drying Condition	Temperature		120-140 °C	
	Time		2-3 h	
Mold Temperature	30-50 °C			
Barrel Temperature	Nozzle	Front	Middle	Rear
	230-250 °C	230-260 °C	230-250 °C	220-240 °C

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.