


PBT 605 (2)

Flame-retardant Polybutylene Terephthalate

	Characteristics	Meet the environmental standards of RoHS and IEC, high gloss, UL94 V-0 flame retardant, good light shading and ageing resistance.		
	Applications	Plug in fluorescent light, electrical equipment shell, etc.		
Properties (23℃)	Typical Value ^[1]		Unit	Test Method
Mechanical				
Tensile Stress	52	MPa	ISO 527	
Tensile Strain	8	%	ISO 527	
Flexural Stress	88	MPa	ISO 178	
Flexural Modulus	3000	MPa	ISO 178	
Izod Impact Strength, (Notched)	6	kJ/m ²	ISO 180	
Other				
Density	1.47	g/cm ³	ISO 1183	
Volume Resistivity	1E14	Ohms·cm	IEC 60093	
Flammability	V-0	Class	UL-94	
Whiteness	95	-	-	
Mold Shrinkage	1.5-1.9	%	ISO 294	
Molding Process ^[2]				
Drying Condition	Temperature		120-140℃	
	Time		2-4h	
Mold Temperature	120℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	240-260 ℃	230-260 ℃	230-250 ℃	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.