


## PBT 605 (3)

### Flame-retardant Reinforced Polybutylene Terephthalate

	Characteristics	Meet the environmental standards of RoHS and IEC, good flame retardance, dimensional stability and ageing resistance.		
	Applications	Energy conservation lamp cup, plug in fluorescent light, electrical equipment shell, etc.		
Properties (23℃)	Typical Value <sup>[1]</sup>		Unit	Test Method
Mechanical				
Tensile Stress	68	MPa	ISO 527	
Flexural Stress	108	MPa	ISO 178	
Flexural Modulus	4500	MPa	ISO 178	
Izod Impact Strength, (Notched)	4.5	kJ/m²	ISO 180	
Other				
Density	1.52	g/cm³	ISO 1183	
Volume Resistivity	1E14	Ohms·cm	IEC 60093	
Flammability	V-2	Class	UL-94	
Whiteness	95	-	-	
Mold Shrinkage (MD)	0.6-0.9	%	ISO 294	
Mold Shrinkage (TD)	0.8-1.2	%	ISO 294	
Molding Process <sup>[2]</sup>				
Drying Condition	Temperature		120-140℃	
	Time		2-4h	
Mold Temperature	60-80 ℃			
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.