



Specification

P/N	PBTEB225-011	Product Model	PBTEB225		
Name	EP flame retardant reinforced polybutylene terephthalate				
Performance Article		Test Method	Test Condition	S.I.Units	Typical Values
Physical Properties	Glass Fibre Content	--	--	%	25
	Mold Shrinkage	ASTM D955	23℃	%	0.4-0.7
	Water Absorption	ASTM D750	23℃	%	0.08
	Specific Gravity	ASTM D792	23℃	g/cm ³	1.54
Mechanical Properties	Tensile Strength	ASTM D638	5mm/min	MPa	70
	Elongation at break		5mm/min	%	4.8
	Flexural Strength	ASTM D790	50 mm span	MPa	87
	Flexural Modulus		50 mm span	MPa	3100
	Impact Strength, IZOD notched	ASTM D256	23℃	J/m	128
Thermal Properties	Heat Distortion Temp.	ASTM D1525	1.8Mpa,6.4mm	℃	180
	Melt index	ASTM D1238	250℃/2.16kg	g/10min	6
Electrical Performance	Comparative Tracking Index	IEC60112		V	/
Others	Flammability	UL94	1.6mm	Class	V0
			3.2mm	Class	V0
	Glow-Wire Ignition Temperature		2.0mm	℃	750
Processing Conditions			Typical Values		Range
Melt Temp.			240℃		230-260℃
Barrel Zone Temp.			Rear	240℃	230-250℃
			Center	235℃	230-240℃
			Front	220℃	215-225℃
Mold Temp.			80℃		70-100℃
Processing Temp. Limit			260℃		
Injection Speed			Moderate to High		
Pre-Dry Requirements			105-115℃, 4-6hr		

Remarks:1 This data is only for reference.It does not mean a guaranteed minimum value of the physical properties of the product.