



## Specification

P/N	PETEN130-001	Product Model	PETEN130		
Name	EP reinforced polybutylene terephthalate				
Performance Article		Test Method	Test Condition	S.I.Units	Typical Values
Physical Properties	Glass Fibre Content	--	--	%	30
	Mold Shrinkage	ASTM D955	23℃	%	0.3-0.6
	Water Absorption	ASTM D750	23℃	%	0.10
	Specific Gravity	ASTM D792	23℃	g/cm <sup>3</sup>	1.54
Mechanical Properties	Tensile Strength	ASTM D638	5mm/min	MPa	170
	Elongation at break		5mm/min	%	1.9
	Flexural Strength	ASTM D790	50 mm span	MPa	203
	Flexural Modulus		50 mm span	MPa	9500
	Impact Strength IZOD notched	ASTM D256	23℃	J/m	107
Thermal Properties	Heat Distortion Temp.	ASTM D1525	1.8Mpa,6.4mm	℃	220
	Melt index	ASTM D1238	250℃/2.16kg	g/10min	/
Electrical Performance	Comparative Tracking Index	IEC60112		V	/
	High Voltage Test	IEC 61007		V	/
Others	Flammability	UL94	1.6mm	Class	HB
			3.2mm	Class	HB
Processing Conditions			Typical Values		Range
Melt Temp.			255℃		240-260℃
Barrel Zone Temp.	Rear		260℃		250-270℃
	Center		250℃		240-260℃
	Front		245℃		240-250℃
Mold Temp.			90℃		70-100℃
Processing Temp. Limit			280℃		
Injection Speed			Moderate to High		
Pre-Dry Requirements			110-120℃, 4-6hr		
Remarks:1 This data is only for referenece.It does not mean a guaranteed minimum value of the physical properties of the product.					