



## 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	ISO 294	23°C	%	0.3-0.6
	Water Absorption	ISO 62	23°C	%	0.10
	Specific Gravity	ISO 1183	23°C	g/cm <sup>3</sup>	1.54
Mechanical Properties	Tensile Strength	ISO 527	5 mm/min	MPa	170
	Elongation at break		5mm/min	%	2
	Flexural Strength	ISO 178	50 mm span	MPa	210
	Flexural Modulus		50 mm span	MPa	9800
	Impact Strength IZOD notched	ISO 180/1A	23°C	kJ/m <sup>2</sup>	10
Thermal Properties	Heat Distortion Temp.	ISO 75/Af	1.8Mpa,6.4mm	°C	220
	Melt index	ISO 1133	250°C/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°C		240-260°C
Barrel Zone Temp.	Rear		260°C		250-270°C
	Center		250°C		240-260°C
	Front		245°C		240-250°C
Mold Temp.			90°C		70-100°C
Processing Temp. Limit			280°C		
Injection Speed			Moderate to High		
Pre-Dry Requirements			110-120°C, 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.					