

## Technical Datasheet

2018

Material Type	PPA GF30	Grade Name	PPA X6T 2230-FR
Features	<ul style="list-style-type: none"> <li>• Halogen-free flame retardant</li> <li>• Good molding and processing performance</li> <li>• High strength</li> </ul>		
Material Standard			
Availability		Asian-Pacific	
Process Method		Injection Molding	
Appearance		Colors Optional	
Applications		Automobile Electrical / Electronic Applications	

### General Properties

Nb.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm <sup>3</sup>	1.45	23
2	Flow Molding shrinkage	PRET Method	%	0.3	23 /48h
3	Transverse Molding shrinkage	PRET Method	%	1.0	23 /48h
4	Tensile Strength at Max Load	ISO 527-2	MPa	150	50mm/min
5	Elongation at Break	ISO 527-2	%	1.0-2.5	50mm/min
6	Flexural Strength	ISO 178	MPa	220	2mm/min
7	Flexural Modulus	ISO 178	MPa	11500	2mm/min
8	Impact Strength	ISO 179-1	kJ/m <sup>2</sup>	45	23
9	Notched Impact Strength	ISO 179-1	kJ/m <sup>2</sup>	7	23
10	Flammability	UL94	-	V-0	0.4mm
11	CTI	IEC 60112	V	600	-
12	HDT	ISO 75-2		283	1.8MPa
13	Water absorption(Saturation)	ISO 62	%	4.0	3mm 23
14	Water absorption(Equilibrium)	ISO 62	%	1.5	3mm 50%RH

### Processing conditions

Drying Cond.	105-125	*6-12 h
Moisture Control	0.2%	
Injection Temp.	290-320	
Mold Temp.	120-150	