

Kangxi® PBT-30GF

Polybutylene Terephthalate

Wuxi Kangxi Plastics Technology Co.,Ltd.

Message:

Kangxi®PBT-30GF is a polybutene terephthalate (PBT) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region. Kangxi®PBT-30GF application areas include electrical/electronic applications, electrical appliances and handles.

Features include:

flame retardant/rated flame

ROHS certification

High stiffness

high strength

Good dimensional stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
	Heat resistance, high		
Uses	Handle		
	Electrical/Electronic Applications		
	Electrical appliances		
	Connector		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.53	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	0.90	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	130	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.5	%	ASTM D638
Flexural Modulus ⁴	7500	MPa	ASTM D790
Flexural Strength ⁵	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	220	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	210	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	HB		UL 94
3.2 mm	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Weather Resistance - 24 hr (23°C)	0.060	%	ASTM D570
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	220 - 270	°C	
Middle Temperature	220 - 270	°C	
Front Temperature	220 - 270	°C	
Processing (Melt) Temp	235 - 255	°C	
Mold Temperature	50 - 80	°C	
NOTE			
1.	23°C		
2.	10 mm/min		
3.	10 mm/min		
4.	2.0 mm/min		
5.	2.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

