

KumhoSunny PBT 3710FG-NH

Polybutylene Terephthalate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

PBT3710FG-NH is 10%GF reinforced flame retardant non-halogen PBT resin. PBT3710FG-NH has high rigidity, super shape resistance property, high heat resistance and excellent UV stability.PBT3710FG-NH is mainly used in electric connector, compress system ending, power tools housing, communication equipment, sports equipments, etc.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Flame Retardant		
	Good UV Resistance		
	Halogen Free		
	High Heat Resistance		
	High Rigidity		
Uses	Communication Applications		
	Connectors		
	Electrical/Electronic Applications		
	Housings		
	Power/Other Tools		
	Sporting Goods		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	85.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	200	°C	
1.8 MPa, Unannealed	180	°C	
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	220 to 240	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	0.200 to 0.800	MPa	
Screw Speed	60 to 90	rpm	

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

