

KumhoSunny PBT/ABS HBG5720

Acrylonitrile Butadiene Styrene + PBT

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HBG5720 is 20%GF reinforced PBT/ABS resin. HBG5720 has excellent mechanical strength, high chem-resistance and high shape resistance property. HBG5720 is mainly used in automobile parts, electric & electron parts, switch, office appliance,etc.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Chemical Resistance		
	Good Strength		
Uses	Appliances		
	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Switches		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	3.0 to 5.0	hr	

Processing (Melt) Temp	230 to 260	°C
Mold Temperature	50.0 to 80.0	°C

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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

