

KumhoSunny PBT/ABS HBG5710FR

Acrylonitrile Butadiene Styrene + PBT
Shanghai KumhoSunny Plastics Co., Ltd.

Message:
HBG5710FR is reinforced PBT/ABS resin. HBG5710FR has excellent mechanical strength, high chem-resistance and high shape resistance property. HBG5710FR is mainly used in air-condition compressor, computer fan, etc.

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Strength		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3300	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
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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