

KumhoSunny PBT/ABS HBG5723FR

Acrylonitrile Butadiene Styrene + PBT

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HBG5723FR is reinforced PBT/ABS resin. HBG5723FR has excellent mechanical strength, high chem-resistance and high shape resistance property. HBG5723FR is mainly used in weeding machine, automobile parts, electric & electron parts, etc.

General Information			
Filler / Reinforcement	Filler		
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Strength		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Lawn and Garden Equipment		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	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	80.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	4700	MPa	ASTM D790
Flexural Strength	95.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°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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Recommended distributors for this material

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