

KumhoSunny PBT/ABS HAB8710FR

Acrylonitrile Butadiene Styrene + PBT

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HAB8710FR is high flow, middle heat resistance PBT/ABS resin. HAB8710FR has High abrasion resistance and flame retardant to a degree. HAB8710FR is mainly used in automobile parts, copier machine, printer housing, electric & electron parts,etc.

General Information			
Features	Flame Retardant		
	Good Abrasion Resistance		
	High Flow		
	Medium Heat Resistance		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Housings		
	Printer		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	40	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	47.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Flexural Strength	62.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°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-2		UL 94

Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	3.0 to 5.0	hr
Processing (Melt) Temp	220 to 250	°C
Mold Temperature	50.0 to 80.0	°C

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