

KumhoSunny PC/ABS HAC8290NH

Polycarbonate + ABS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HAC8290NH is non-halogen flame retardant super heat resistance PC/ABS resin. HAC8290NH has excellent processing properties and high tenacity. HAC8290NH is mainly used in computer monitor,copy machine, printer, mobile-phone housing, etc.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
	High Heat Resistance		
Uses	Cell Phones		
	Computer Components		
	Electrical/Electronic Applications		
	Housings		
	Printer		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	45	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	65.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°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			UL 94
1.60 mm	V-0		
	V-0		
2.00 mm	5VB		
	V-0		
3.00 mm	5VB		
Additional Information	Nominal Value		
CSA File No.	LS 66457		
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 95.0	°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	250 to 270	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	0.300 to 1.00	MPa	
Screw Speed	30 to 70	rpm	

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