

EcoBlend® HAC8251NH

Polycarbonate + ABS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HAC8251NH is partly contained recycle non-halogen flame retardant(V0 rate) PC/ABS resin.HAC8251NH appeal to RoHS and IEEE. HAC8251NH is mainly used in computer monitor,copy machine, printer, mobile-phone housing, etc.

General Information			
Additive	Flame Retardant		
Recycled Content	Yes		
Features	Flame Retardant		
	Halogen Free		
Uses	Cell Phones		
	Computer Components		
	Housings		
	Printer		
Agency Ratings	IEEE Unspecified Rating		
RoHS Compliance	RoHS Compliant		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	40	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	87.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	550	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	92.0	°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-0		UL 94
Additional Information	Nominal Value		
CSA File No.	LS 66457		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	210 to 230	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	240 to 250	°C	
Processing (Melt) Temp	230 to 270	°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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Recommended distributors for this material

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