

KumhoSunny PC/ABS HAC8250NH

Polycarbonate + ABS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HAC8250NH is non-halogen flame retardant(V0 rate) PC/ABS resin. HAC8250NH has excellent processing properties and high tenacity. HAC8250NH is mainly used in computer monitor,copy machine, printer, mobile-phone housing, etc.

General Information			
UL YellowCard	E254819-100655335		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
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	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	90	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.0	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	80.0	°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		
Additional Information	Nominal Value		
CSA File No.	LS 66457		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	220 to 240	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	255 to 265	°C	
Nozzle Temperature	250 to 260	°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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

