

EcoBlend® KCA9341NH

Polycarbonate + PET

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

KCA9341NH is halogen free flame retardant PC/PET resin.KCA9341NH has excellent processing properties and high tenacity.KCA9341NH is mainly used in housing of OA & TV set, panel of stereo equipment,etc.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
Uses	Housings		
UL File Number	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	29	g/10 min	
265°C/2.16 kg	29	g/10 min	
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2350	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	79.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525 ¹
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
0.800 mm	V-2		

V-0

1.60 mm

5VB

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	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	220 to 230	°C
Middle Temperature	240 to 250	°C
Front Temperature	255 to 265	°C
Nozzle Temperature	250 to 260	°C
Processing (Melt) Temp	255 to 265	°C
Mold Temperature	50.0 to 70.0	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	40 to 90	rpm
NOTE		
1.	Rate B (120°C/h)	

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