



SF315C 黑色无卤阻燃覆盖膜

SF315C Black PI Based Halogen-free Flame-resistant Coverlay

特点

- 透明度低，遮光性佳，尺寸稳定性好。
- 阻燃性达到 UL94 V-0 级。
- 优秀的耐热性、耐化学性和电性能。
- 溢胶量低，加工性好，适于快速压合和传统压合。
- 满足 RoHS 指令要求，不含铅、汞、镉、六价铬、多溴联苯、多溴联苯醚等。

FEATURES

- Low transparence, excellent light-blocking.
- High bonding strength, good dimensional stability
- Flammability UL94 V-0.
- Excellent soldering reliability, chemical resistance and electrical properties.
- Low adhesive flowing, good processability, suitable for both fast and traditional lamination style.
- Compatible with EU RoHS directive, free of Pb,Hg,Cd, Cr⁶⁺,PBB,PBDE, etc..

性能表 GENERAL PROPERTIES

应用领域

挠性印制电路板用覆盖膜。

APPLICATIONS

Coverlay for FPC.

性能项目 Test Item	测试方法 Test Method	单位 Unit	IPC 标准值* Standard	典型值 Typical Value
				SF315C 0515
溢胶量 Resin Flow	SY Method	mm	-	<0.15
剥离强度 Peel Strength (90°)	IPC-TM-650,No.2.4.9 Method A Method C	N/mm	≥0.7 ≥0.53	1.25 1.28
热应力 Thermal Stress	IPC-TM-650,No.2.4.13	-	Pass	Pass
尺寸稳定性 Dimensional Stability	SY Method	%	±0.2	MD:0.01 TD:0.02
耐化学性 Chemical Resistance	IPC-TM-650,No.2.3.2	%	≥80	85
吸水率 Moisture Absorption	IPC-TM-650,No.2.6.2	%	≤4	1.05
体积电阻率 Volume Resistivity	IPC-TM-650,No.2.5.17	MΩ-cm	≥10 ⁶	5.31×10 ⁶
表面电阻 Surface Resistance	IPC-TM-650,No.2.5.17	MΩ	≥10 ⁴	4.5×10 ⁶
介电常数 1GHz Dielectric Constant	IEC-61189-2-721	-	-	3.78
介电损耗 1GHz Dissipation Factor	IEC-61189-2-721	-	-	0.0217

注释 Remarks: * Certified to IPC-4203/2 Epoxy adhesive on single or double side of polyimide dielectric



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产品规格代码描述 Product Code Description

SF315C 05 15

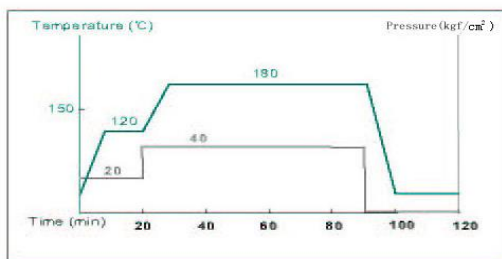
- 胶粘剂厚度 Adhesive Thickness: 15 - 15 μ m; 25 - 25 μ m
- PI膜厚度 PI film Thickness: 05 - 12.5 μ m; 10 - 25 μ m
- 生益无卤覆盖膜产品编号 Shengyi Halogen-free Coverlay Designation

常规产品表 SPECIFICATIONS OF STANDARD PRODUCTS

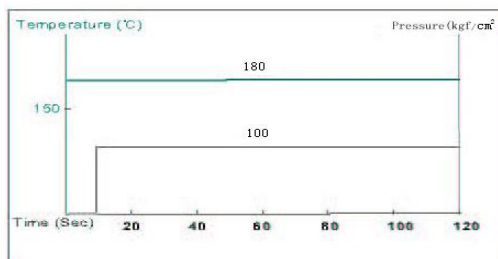
产品规格 Specifications	PI膜厚度 (μ m) PI film Thickness	胶粘剂厚度 (μ m) Adhesive Thickness	应用领域 Applications
SF315C 0515	12.5	15	手机天线、电池板 Mobile phone antenna, battery board
SF315C 0520	12.5	20	
SF315C 0525	12.5	25	
SF315C 0530	12.5	30	
SF315C 0540	12.5	40	
SF315C 1025	25	25	
SF315C 10A0	25	100	无线充电 Wireless charge
SF315C 0305	7.5	5	
SF315C 0309	7.5	9	

压板推荐 PRESS PROPOSE

HOT PRESSING CYCLE



FAST PRESSING CYCLE



传压参数根据不同设备及产品规格需作相应调整；采用快压方式，后固化条件是 160-180 $^{\circ}$ C、60-90 分钟。
The parameters of hot pressure need to be adjusted according to different equipment and product specifications. After fast press, the curing condition is 160-180 $^{\circ}$ C for 60-90min.

包装 PURCHASING INFORMATION

产品宽度 250+2/-0mm 或 500+2/-0mm，每卷 100+2/-0 米或 200+2/-0 米；其它规格、尺寸可根据客户要求而定。SF315C is supplied in rolls and standard width of 250+2/-0mm or 500+2/-0mm. Roll length is 100+2/-0m or 200+2/-0m. Other sizes could be available upon request.

贮存条件 STORAGE CONDITION

贮存在干燥、无腐蚀气体的室内；以原始包装贮存在 4-10 $^{\circ}$ C 的冷藏室里，贮存期为三个月。
Stored in dry room with humidity control and with no corrosive gases. Three months when stored in the original packaging at 4-10 $^{\circ}$ C.