



SF305C 无卤阻燃型聚酰亚胺薄膜覆盖膜

SF305C Halogen-free Flame-resistant Type PI Film Based Coverlay

特点

- 不含卤素，阻燃性达到 UL94 V-0 级。
- 粘结强度高，尺寸稳定性、耐热性好。
- 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

- Halogen free, Flammability UL94 V-0.
- High bonding strength, good dimensional stability and thermal resistance.
- 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

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
				SF305C 1035
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	1.05 1.07
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	90
吸水率 Moisture Absorption	IPC-TM-650,No.2.6.2	%	≤4	1.54
体积电阻率 Volume Resistivity	IPC-TM-650,No.2.5.17	MΩ-cm	≥10 ⁶	4.8×10 ⁸
表面电阻 Surface Resistance	IPC-TM-650,No.2.5.17	MΩ	≥10 ⁴	1.2×10 ⁶
介电常数 1GHz Dielectric Constant	IEC-61189-2-721	-	-	3.35
介电损耗 1GHz Dissipation Factor	IEC-61189-2-721	-	-	0.0196

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

应用领域

挠性印制电路板用覆盖膜。

APPLICATIONS

Coverlay for FPC.



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产品规格代码描述 Product Code Description

SF305C 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

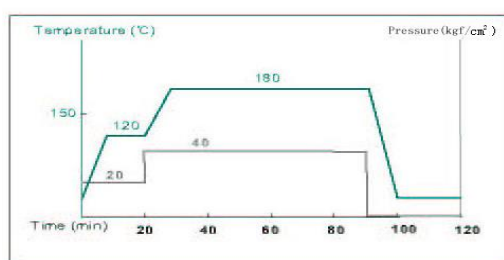
生益无卤覆盖膜产品编号 Shengyi Halogen-free Coverlay Designation

常规产品表 SPECIFICATIONS OF STANDARD PRODUCTS

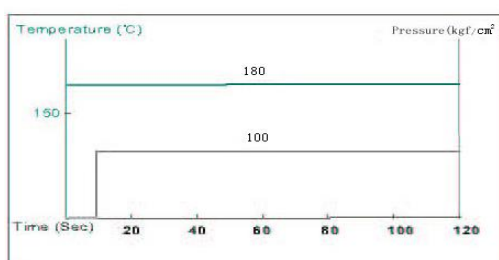
产品规格 Specifications	PI膜厚度 (μ m) PI film Thickness	胶粘剂厚度 (μ m) Adhesive Thickness	应用领域 Applications
SF305C 0205	5	5	超薄线路 Ultrathin FPC
SF305C 0309	7.5	9	
SF305C 0515	12.5	15	通用型 General type
SF305C 0520	12.5	20	
SF305C 0525	12.5	25	
SF305C 1025	25	25	
SF305C 1030	25	30	
SF305C 1035	25	35	动力电池 Power battery
SF305C 1050	25	50	
SF305C 10A0	25	100	

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 \pm 2/-0mm 或 500 \pm 2/-0mm，每卷 100 \pm 2/-0 米或 200 \pm 2/-0 米；其它规格、尺寸可根据客户要求而定。SF305C is supplied in rolls and standard width of 250 \pm 2/-0mm or 500 \pm 2/-0mm. Roll length is 100 \pm 2/-0m or 200 \pm 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.