



SF305C 无卤阻燃型聚酰亚胺薄膜覆盖膜

SF305C Halogen-free flame-resistant type polyimide 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。

应用领域

挠性印制电路板用覆盖膜。

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..

APPLICATIONS

Coverlay for FPC.

性能表 GENERAL PROPERTIES

性能项目 Test Item	试验处理条件 Treatment Condition	单位 Unit	性能数据 Property Data		
			IPC 标准值* Standard	典型值 Typical Value	
				SF305C 0205	SF305C 0309
溢胶量 Resin Flow	A	mm	-	<0.15	<0.15
剥离强度 ¹ Peel Strength (90°) ¹	A	N/mm	≥0.7	0.82	1.06
	288°C, 5s		≥0.53	0.80	1.11
热应力 ¹ Thermal Stress ¹	288°C, 20s	-	-	无分层、无起泡 No delamination	无分层、无起泡 No delamination
尺寸稳定性 Dimensional Stability	MD	撕纸后 After peeling off the paper	%	±0.2	±0.1
	TD				±0.1
耐化学性（剥离强度保持率） Chemical Resistance	After Chemical Exposure 暴露化学品后	%	≥80	>90	>90
体积电阻率（湿热） Volume Resistivity	C-96/35/90	M Ω-cm	≥10 ⁶	7.8×10 ⁶	2.2×10 ⁷
表面电阻（湿热） Surface Resistance	C-96/35/90	M Ω	≥10 ⁴	2.5×10 ⁵	4.2×10 ⁵

注释 Explanations: C = 湿热处理条件 Humidity conditioning;

E = 恒温处理条件 Temperature conditioning.

1. 与铜箔光面压合再固化后测试。Testing after laminating with shining side of copper foil in suitable condition.

* Certified to IPC-4203/2 Epoxy adhesive on one or two sides of polyimide dielectric



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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; 35-35 μ m

PI膜厚度 PI film Thickness: 05-12.5 μ m; 10-25 μ m

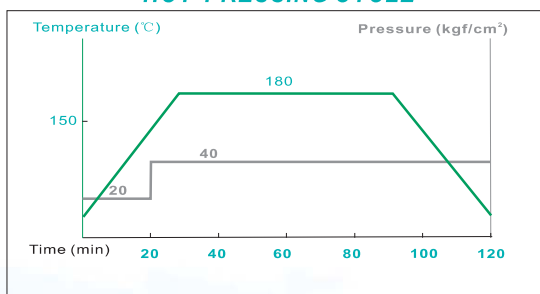
生益覆盖膜产品编号 Shengyi Coverlay Designation

常规产品表 *SPECIFICATIONS OF STANDARD PRODUCTS*

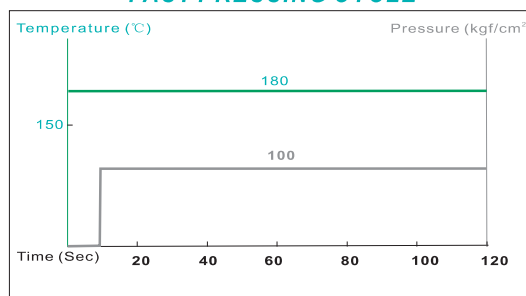
产品规格 Specifications	PI膜厚度 (μ m) PI film Thickness (μ m)	胶粘剂厚度 (μ m) Adhesive Thickness (μ m)	应用领域 Applications
SF305C 0205	5	5	超薄线路 Ultrathin FPC
SF305C 0305	7.5	5	
SF305C 0309	7.5	9	
SF305C 0515	12.5	15	通用型 General type
SF305C 0520	12.5	20	
SF305C 0525	12.5	25	
SF305C 1025	25	25	
SF305C 1030	25	30	
SF305C 1035	25	35	动力电池 Power battery
SF305C 1050	25	50	
SF305C 2050	50	50	

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 155-165 $^{\circ}$ 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 150-160 $^{\circ}$ 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。SF305C is supplied in rolls and standard widths 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.

储存条件 *STORAGE CONDITION*

贮存在干燥的室内; 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 the room of dryness. Three months when stored in the original packaging at 4-10 $^{\circ}$ C.