



# SF315C 阻燃型黑色聚酰亚胺薄膜覆盖膜

SF315C Flame-resistant type black polyimide film based coverlay

## 特点

- 透明度低，遮光性佳。
- 粘结强度高，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, Cr<sup>6+</sup>,PBB,PBDE, etc..

## 应用领域

挠性印制电路板用覆盖膜。

## 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	
				SF315C 0305	SF315C 0309
溢胶量 Resin Flow	A	mm	-	<0.15	<0.15
剥离强度 <sup>1</sup> Peel Strength (90°) <sup>1</sup>	A	N/m	≥0.7	0.71	0.83
	288℃,5s	m	≥0.53	0.70	0.77
热应力 <sup>1</sup> Thermal Stress <sup>1</sup>	288℃,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	±0.15
	TD				±0.15
耐化学性(剥离强度保持率) Chemical Resistance	After Chemical Exposure 暴露化学品后	%	≥80	>85	>85
燃烧性 Flammability	C-48/23/50	-	UL94 V-0	UL94 V-0	UL94 V-0

注释 Explanations: C = 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



# SF315C 阻燃型黑色聚酰亚胺薄膜覆盖膜

SF315C Flame-resistant type black polyimide film based coverlay

## 产品规格代码描述 Product Code Description

SF315C 10 25



## 常规产品表 SPECIFICATIONS OF STANDARD PRODUCTS

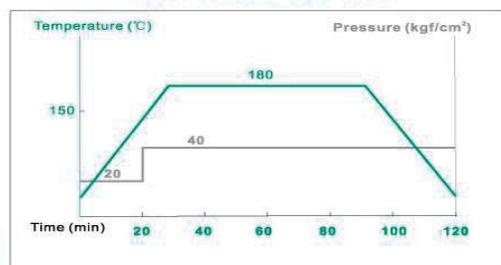
产品规格 Specifications	PI 膜厚度 ( $\mu$ m) PI film Thickness ( $\mu$ m)	胶粘剂厚度 ( $\mu$ m) Adhesive Thickness ( $\mu$ m)
SF315C 0515	12.5	15
SF315C 1025	25	25

## 新规格产品表 SPECIFICATIONS OF NEW MODELS

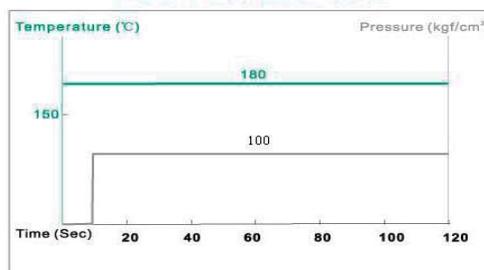
产品规格 Specifications	PI 膜厚度 ( $\mu$ m) PI film Thickness ( $\mu$ m)	胶粘剂厚度 ( $\mu$ m) Adhesive Thickness ( $\mu$ m)	应用领域 Applications
SF315C 0515	12.5	15	手机天线 Mobile phone antenna
SF315C 1025	25	25	
SF315C 0305	7.5	5	无线充电 Wireless charge
SF315C 0309	7.5	9	
SF315C 0409	10	9	

## 压板推荐 PRESS PROPOSE

### HOT PRESSING CYCLE



### FAST PRESSING CYCLE



压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 155-160 $^{\circ}$ 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。  
 SF315C 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.

## 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.