



# SF202C 高耐热聚酰亚胺薄膜覆盖膜

SF202C High Solder Resistance Polyimide Film Based Coverlay

## 特点

- 优异的耐离子迁移特性，耐热老化性。
- 阻燃性达到 UL94 V-0 级。
- 高频下较低的介电常数、介质损耗角正切
- 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、多溴联苯醚等环境管理物质。

## FEATURES

- Excellent anti-ion-migration and thermal aging resistance performance.
- Flammability UL94 V-0
- Low Dk & Low Df at high frequency
- 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

汽车等对安全性、可靠性，要求较高的电子产品。

## APPLICATIONS

For security, high reliability requirements of electronic products.

## 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
				SF202C 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	N/mm	≥0.8	1.10
	Method C		≥0.8	1.10
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: 0.0270 TD: 0.0030
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	%	≤3	1.23
电气强度 Dielectric strength	IPC-TM-650,No.2.5.6.2	KV/mm	≥80	115.9
体积电阻率 Volume Resistivity	IPC-TM-650,No.2.5.17	M Ω ·cm	≥10 <sup>6</sup>	8×10 <sup>8</sup>
表面电阻 Surface Resistance	IPC-TM-650,No.2.5.17	M Ω	≥10 <sup>4</sup>	2×10 <sup>5</sup>
介电常数 10GHz Dielectric Constant	IPC-TM-650,No.2.5.5.9	-	-	3.43
介电损耗 10GHz Dissipation Factor	IPC-TM-650,No.2.5.5.9	-	-	0.0135

注释 Remarks:\* Certified to IPC-4203/21 Polyimide dielectric with polyimide adhesive

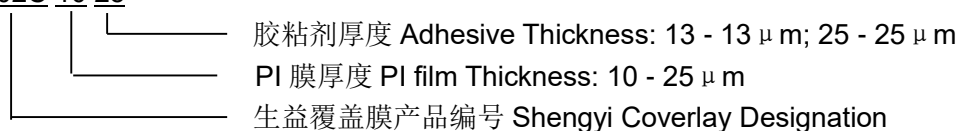


# SF202C 高耐热聚酰亚胺薄膜覆盖膜

SF202C High Solder Resistance Polyimide Film Based Coverlay

## 产品规格代码描述 Product Code Description

SF202C 10 25

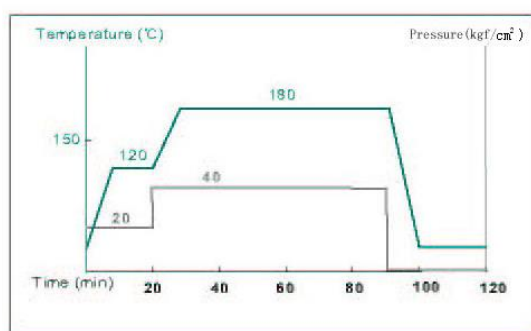


## 常规产品表 SPECIFICATIONS OF STANDARD PRODUCTS

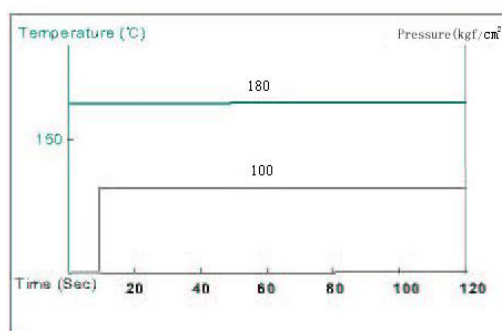
产品规格 Specifications	PI 膜厚度 ( $\mu$ m) PI film Thickness	胶粘剂厚度 ( $\mu$ m) Adhesive Thickness	应用领域 Applications
SF202C 0515	12.5	15	汽车电子等 automotive electronics etc.
SF202C 0520	12.5	20	
SF202C 0525	12.5	25	
SF202C 0550	12.5	50	
SF202C 1025	25	25	
SF202C 1035	25	35	
SF202C 1050	25	50	
SF202C 2035	50	35	

## 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。SF202C 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.