



SF240C 超耐高温聚酰亚胺薄膜覆盖膜

SF240C Ultra-high Temp Resistance Polyimide Film Based Coverlay

特点

- 优异的高温性能、短期耐温可达 350°C；
- 具有高的 Tg (>230°C)，具有高的弹性模量；
- 优异的耐离子迁移特性；
- 阻燃性达到 UL94 V-0 级。

应用领域

- 发热器件等对耐温性要求较高的电子产品。
- 汽车等对安全性、可靠性，要求较高的电子产品。

FEATURES

- Excellent high-temperature performance, short-term temperature resistance up to 350°C; .
- It has high Tg (>230°C) and high elastic modulus;
- Excellent ion migration resistance;
- The flame retardancy reaches UL94 V-0 level.

APPLICATIONS

- Electronic products that require high temperature resistance, such as heating devices.
- Automotive and other electronic products with high requirements for safety and reliability.

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
				1525
溢胶量 Resin Flow	In-house Test Method	mm	-	0.05
剥离强度 Peel Strength (90°)	IPC-TM-650 2.4.9 Method A Method C	N/mm	≥0.8 ≥0.8	1.0
热应力 Thermal Stress	IPC-TM-650 2.4.13	-	Pass	Pass
尺寸稳定性 Dimensional Stability	In-house Test Method	%	±0.2	MD: 0.0135 TD: 0.0413
耐化学性 Chemical Resistance	IPC-TM-650 2.3.2	%	≥80	97
吸水率 Moisture Absorption	IPC-TM-650 2.6.2	%	≤3	2.15
电气强度 Dielectric strength	IPC-TM-650 2.5.6.2	KV/mm	≥80	130
体积电阻率 Volume Resistivity	IPC-TM-650 2.5.17	MΩ-cm	≥10 ⁶	4.70×10 ⁹
表面电阻 Surface Resistance	IPC-TM-650 2.5.17	MΩ	≥10 ⁵	2.13×10 ⁷
介电常数 10GHZ Dielectric Constant	IPC-TM-650 2.5.5.9	-	≤3.5	3.4
介电损耗 10GHZ Dissipation Factor	IPC-TM-650 2.5.5.9	-	≤0.02	0.014

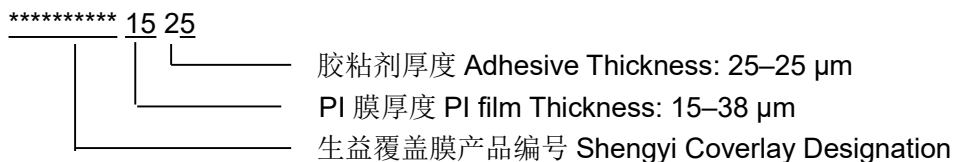
注释 Remarks: * Certified to IPC-4203/21 Polyimide dielectric with polyimide adhesive



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产品规格代码描述 Product Code Description



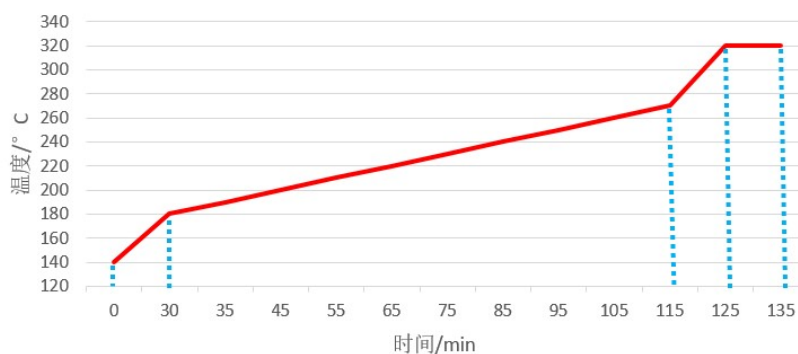
常规产品表 SPECIFICATIONS OF STANDARD PRODUCTS

产品规格 Specifications	PI 膜厚度 (μm) PI film Thickness	胶粘剂厚度 (μm) Adhesive Thickness	应用领域 Applications
0515	12.5	15	汽车电子等 automotive electronics etc.
0520	12.5	20	
0525	12.5	25	
1025	25	25	
1035	25	35	
1525	38	25	

压板和固化工艺推荐 PRESS PROPOSE

压板条件: 温度 180 $^{\circ}\text{C}$, 预压时间 10 s, 成压时间 120 s, 压合压力 100 kgf. 固化条件: 采用氮

气烘箱固化, 升温程序见右图。详见《SF240C 超耐高温聚酰亚胺薄膜覆盖膜存储、操作指南》。
Plate Press Conditions: Temperature 180 $^{\circ}\text{C}$, pre-press time 10 seconds, press time 120 seconds, pressure 100 kgf. Curing Conditions: Curing is carried out in a nitrogen oven, with the heating program as shown in the figure on the right. For details, refer to the "SF240C Ultra-High Temperature Polyimide Film Coverlay Storage and Operation Guide."



包装 PURCHASING INFORMATION

产品宽度 250+2/-0 mm 或 500+2/-0 mm, 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。SF240C is supplied in rolls and standard width of 250+2/-0 mm or 500+2/-0 mm. Roll length is 100+2/-0 m or 200+2/-0 m. 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 $^{\circ}\text{C}$ 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 $^{\circ}\text{C}$.