



SF302C 阻燃型聚酰亚胺薄膜覆盖膜

SF302C Flame-resistant type polyimide film based Coverlay

特点

- 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，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

- 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, 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	
				SF302C 0518	SF302C 1025
溢胶量 Resin Flow	-	mm	-	<0.15	<0.15
剥离强度 ¹ Peel Strength (90°) ¹	A	N/mm	≥0.7	1.1	1.4
	288°C, 5s		≥0.5	0.9	1.3
热应力 ¹ Thermal Stress ¹	300°C, 10s	-	288°C, 10s No delamination	无分层、无起泡 No delamination	无分层、无起泡 No delamination
尺寸稳定性 Dimensional Stability	MD	E-0.5/150	%	±0.2	±0.1
	TD				±0.1
耐化学性 (剥离强度保持率) Chemical Resistance	暴露化学品后 After Chemical Exposure	%	≥80	>90	>90
体积电阻率 (湿热) Volume Resistivity	C-96/35/90	MΩ · cm	≥10 ⁶	7.0x10 ⁷	5.0x10 ⁷
表面电阻 (湿热) Surface Resistance	C-96/35/90	MΩ	≥10 ⁴	3.0x10 ⁶	3.5x10 ⁶

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.

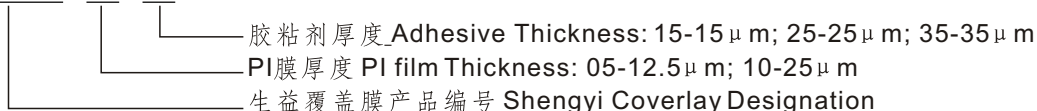


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产品规格代码描述 *Product Code Description*

SF302C 05 15

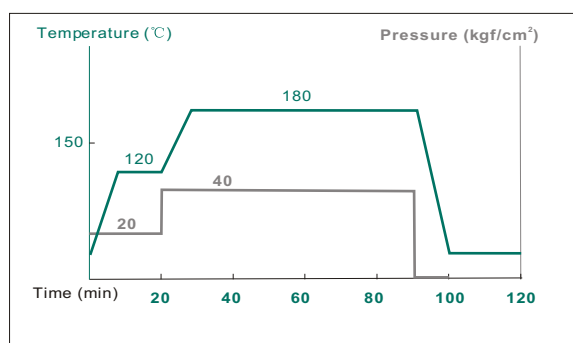


常规产品表 *SPECIFICATIONS OF STANDARD PRODUCTS*

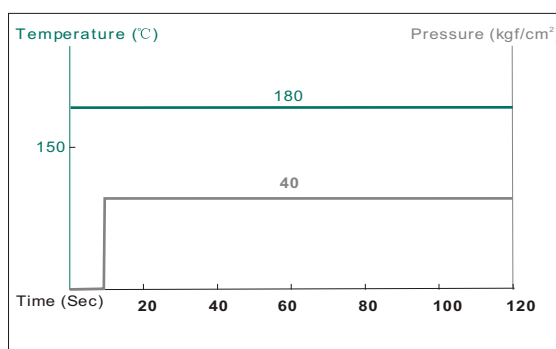
产品规格 Specifications	PI膜厚度(μ m) PI film Thickness (μ m)	胶粘剂厚度(μ m) Adhesive Thickness(μ m)
SF302C 0515	12.5	15
SF302C 0518	12.5	18
SF302C 0520	12.5	20
SF302C 0525	12.5	25
SF302C 1025	25	25
SF302C 1035	25	35

压板推荐 *PRESS PROPOSE*

HOT PRESSING CYCLE



FAST PRESSING CYCLE



采用快压方式，后固化条件是160-180℃、60分钟。
After fast press, the curing condition is 160-180℃ for 60min.

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。
SF302C 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.

STORAGE

贮存在干燥的室内；以原始包装贮存在4-10℃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℃.