

HK系列PI补强规格书

1. 特性

- ① 剥离强度高
- ② 尺寸稳定性佳
- ③ 溢胶量小
- ④ 环保无卤素

2. 一般性能

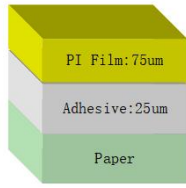
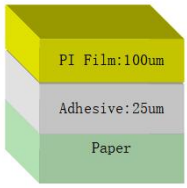
项目		单位	PI3025	PI4025	实验方法
结构		—			—
产品厚度		um	100	125	—
溢胶量		um	≤150	≤150	—
耐焊性		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
剥离强度	常温状态	N/mm	1.5	1.5	IPC-TM650
	260 ⁰ C 10S		1.5	1.5	2.4.9
电阻	表面电阻	MΩ	1.9×10 ⁵	1.9×10 ⁵	IPC-TM650
	体积电阻	KΩ	2.0×10 ⁷	2.0×10 ⁷	2.5.17
介电常数		MHz	2.9	2.9	—
介质损耗因子		MV/mm	0.032	0.032	—
耐溶剂性	三氯甲烷	—	合格	合格	JPCA-
	丁酮	—	合格	合格	BM02
尺寸稳定性		%	0.05	0.05	IPC-TM650 2.2.4
保存期		月	6	6	常温

HK Series PI Reinforcement Specification

1. Characteristic

- ①High peel strength
- ② Excellent dimensional stability
- ③ Low glue overflow
- ④Environmentally friendly halogen-free

2. General performance

project		unit	PI3025	PI4025	Experimental methods
Structure		—			—
Product thickness		um	100	125	—
Spill amount		um	≤150	≤150	—
Welding resistance		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
Peel strength	Normal temperature state	N/mm	1.5	1.5	IPC-TM650
	260℃ 10S		1.5	1.5	2.4.9
Resistance	Surface resistance	MΩ	1.9×10^5	1.9×10^5	IPC-TM650
	Volume resistance	KΩ	2.0×10^7	2.0×10^7	2.5.17
Dielectric constant		MHz	2.9	2.9	—
Dielectric loss factor		MV/mm	0.032	0.032	—
Solvent resistance	Trichloromethane	—	Qualified	Qualified	JPCA-
	Butanone	—	Qualified	Qualified	BM02
Dimensional stability		%	0.05	0.05	IPC-TM650 2.2.4
Shelf life		Wonth	6	6	Normal temperature

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2. 一般性能

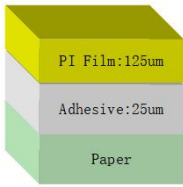
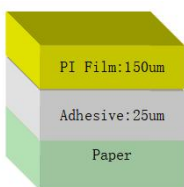
项目		单位	PI5025	PI6025	实验方法
结构		—			—
产品厚度		um	150	175	—
溢胶量		um	≤150	≤150	—
耐焊性		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
剥离强度	常温状态	N/mm	1.5	1.5	IPC-TM650
	260 ⁰ C 10S		1.5	1.5	2.4.9
电阻	表面电阻	MΩ	1.9×10 ⁵	1.9×10 ⁵	IPC-TM650
	体积电阻	KΩ	2.0×10 ⁷	2.0×10 ⁷	2.5.17
介电常数		MHz	2.9	2.9	—
介质损耗因子		MV/mm	0.032	0.032	—
耐溶剂性	三氯甲烷	—	合格	合格	JPCA-
	丁酮	—	合格	合格	BM02
尺寸稳定性		%	0.05	0.05	IPC-TM650 2.2.4
保存期		月	6	6	常温

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- ①High peel strength
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2. General performance

project		unit	PI5025	PI6025	Experimental methods
Structure		—			—
Product thickness		um	150	175	—
Spill amount		um	≤150	≤150	—
Welding resistance		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
Peel strength	Normal temperature state	N/mm	1.5	1.5	IPC-TM650
	260℃ 10S		1.5	1.5	2.4.9
Resistance	Surface resistance	MΩ	1.9×10^5	1.9×10^5	IPC-TM650
	Volume resistance	KΩ	2.0×10^7	2.0×10^7	2.5.17
Dielectric constant		MHz	2.9	2.9	—
Dielectric loss factor		MV/mm	0.032	0.032	—
Solvent resistance	Trichloromethane	—	Qualified	Qualified	JPCA-
	Butanone	—	Qualified	Qualified	BM02
Dimensional stability		%	0.05	0.05	IPC-TM650 2.2.4
Shelf life		Wonth	6	6	Normal temperature

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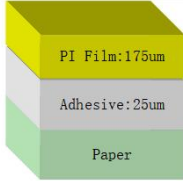
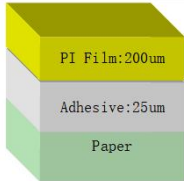
项目		单位	PI7025	PI8025	实验方法
结构		—			—
产品厚度		um	200	225	—
溢胶量		um	≤150	≤150	—
耐焊性		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
剥离强度	常温状态	N/mm	1.5	1.5	IPC-TM650
	260 ⁰ C 10S		1.5	1.5	2.4.9
电阻	表面电阻	MΩ	1.9×10 ⁵	1.9×10 ⁵	IPC-TM650
	体积电阻	KΩ	2.0×10 ⁷	2.0×10 ⁷	2.5.17
介电常数		MHz	2.9	2.9	—
介质损耗因子		MV/mm	0.032	0.032	—
耐溶剂性	三氯甲烷	—	合格	合格	JPCA-
	丁酮	—	合格	合格	BM02
尺寸稳定性		%	0.05	0.05	IPC-TM650 2.2.4
保存期		月	6	6	常温

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project		unit	PI7025	PI8025	Experimental methods
Structure		—			—
Product thickness		um	200	225	—
Spill amount		um	≤150	≤150	—
Welding resistance		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
Peel strength	Normal temperature state	N/mm	1.5	1.5	IPC-TM650
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Resistance	Surface resistance	MΩ	1.9×10^5	1.9×10^5	IPC-TM650
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Dielectric constant		MHz	2.9	2.9	—
Dielectric loss factor		MV/mm	0.032	0.032	—
Solvent resistance	Trichloromethane	—	Qualified	Qualified	JPCA-
	Butanone	—	Qualified	Qualified	BM02
Dimensional stability		%	0.05	0.05	IPC-TM650 2.2.4
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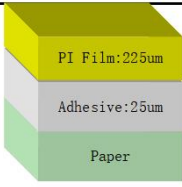
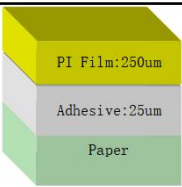
项目		单位	PI9025	PI10025	实验方法
结构		—			—
产品厚度		um	250	275	—
溢胶量		um	≤150	≤150	—
耐焊性		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
剥离强度	常温状态	N/mm	1.5	1.5	IPC-TM650
	260 ⁰ C 10S		1.5	1.5	2.4.9
电阻	表面电阻	MΩ	1.9×10 ⁵	1.9×10 ⁵	IPC-TM650
	体积电阻	KΩ	2.0×10 ⁷	2.0×10 ⁷	2.5.17
介电常数		MHz	2.9	2.9	—
介质损耗因子		MV/mm	0.032	0.032	—
耐溶剂性	三氯甲烷	—	合格	合格	JPCA-
	丁酮	—	合格	合格	BM02
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project		unit	PI9025	PI10025	Experimental methods
Structure		—			—
Product thickness		um	250	275	—
Spill amount		um	≤150	≤150	—
Welding resistance		—	288℃ 10S	288℃ 10S	IPC-TM650 2.4.13
Peel strength	Normal temperature state	N/mm	1.5	1.5	IPC-TM650
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