

Single-coated adhesive tape

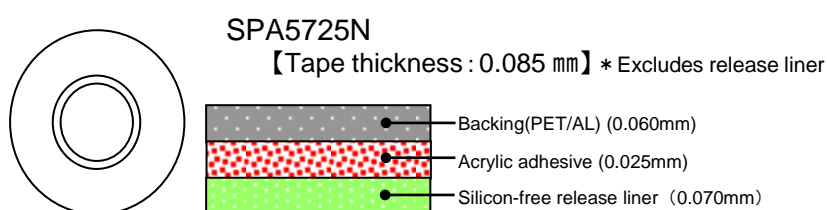
SPA5725N

Outline

SPA5725N is a single-coated adhesive tape with a low outgas and silicone-free[※]. It is ideal for fixing of hole-filling film for electronic equipment such as HDD that are concerned about outgas. It offers excellent converting performance due to minimal adhesive residue.

※Silicone-free : Silicone material is not intentionally used.

Structure



Features

- The adhesive tape releases minimal outgas.
- Silicone material is not intentionally used.
- Corrosive ion impurities are almost undetectable.
- Release liner can be peeled smoothly.
- 10 restricted substances by RoHS are not contained.

Applications

- Fixing of metal top cover plate for electronic equipment such as HDD.
- Fixing of hole-filling film for electronic equipment such as HDD.

Standards Sizes

Tape thickness (mm)	Width (mm)	Length (m)
0.085	76、110、115	300

For more information, please contact a person in charge.

SPA5725N 10-P-0443_E (1/3)

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Properties

● 180 degree peeling adhesion

Substrate	SPA5725N
Stainless steel plate	10.0

(Unit: N/20mm)

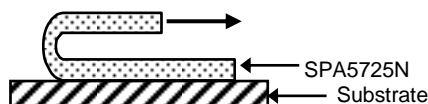
Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement condition: 23 degree C. x 50%RH

Pressure application method:

1 pass back and forth with 2kg roller



● Rework ability

Substrate	SPA5725N
Stainless steel plate	No adhesive residue

Pressure application method: 1 pass back and forth with 2kg roller

Heating conditions: 80 degree C. x 2 hours

After heating, leave it at 23 degree C. x an hour

To peeling the adhesive tape slowly and then, check if there is the adhesive residue.

● Liner peel off strength

	SPA5725N
Liner peel off strength	0.2

(Unit: N/50mm)

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement condition: 23 degree C. x 50%RH

● Out-gas

	SPA5725N
Amount of out-gas	≤ 5.00

(Unit: $\mu\text{g}/\text{cm}^2$)

Equipment: GC/MS

Heating conditions: 120 degree C. x 30 min

Sampling method: Purge and trap head space method

Quantitative standard: n-Decane

● Siloxane

	SPA5725N
Amount of Siloxane	< 0.4

(Unit: ng/cm^2)

Equipment: GC/MS

Heating condition: 120 degree C. x 10min

Sampling method: Purge and trap head space method

Quantitative standard: D3 – D6

● Corrosive ion impurities

		SPA5725N
Amount of Corrosive ion impurities	F ⁻	< 0.6
	Cl ⁻	< 1.5
	Br ⁻	< 3.5
	NO ₂ ⁻	< 2.5
	NO ₃ ⁻	< 4.0
	PO ₄ ³⁻	< 8.0
	SO ₄ ²⁻	< 3.2

(Unit: ng/cm^2)

Equipment: Ion chromatography analysis

Heating condition: 100 degree C. x 45min

Detection method: detected by hot-water

*The data shows minimum limit of detection

SPA5725N 10-P-0443_E (2/3)

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Precautions when using

- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- The tape employs pressure-sensitive adhesive. Be sure to apply pressure with a roller or press when applying. Failure to do so could affect properties or appearance.
- The tape may not adhere well to significantly uneven or distorted surfaces. Level off the surface as much as possible before applying.
- Because it is very thin, you should avoid applying large loads for at least several hours following application.

Precautions when storing

- Be sure to keep the tape in its box when not using.
- Keep in a cool dark place not exposed to direct sunlight.

Safety precautions

	WARNING
<ul style="list-style-type: none">● Make sure the product is suitable for the application (objective and conditions) before attempting to use. The tape may come off depending on the substrate to which it is applied or conditions under which it is applied.● Use in combination with another method of joining if there is possibility of an accident.	

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SPA5725N 10-P-0443_E (3/3)

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