

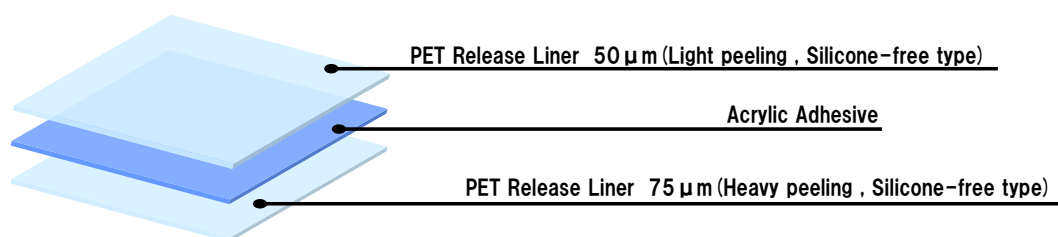
Substrate-free double-sided adhesive tape: Silicone-free type

SFA-305SF

Outline

SFA-305SF is a substrate-free double-sided adhesive tape with low outgas and silicone-free type.
(Silicone-free type: Silicones are not intentionally used.)
Suitable for applications such as HDD where outgassing is a concern.

Structure



Product Name	Tape Thickness (μm)	Base film (μm)
SFA-305SF	50	none

Properties

◆Basic Adhesive Properties

			Measured value	Test method
Adhesive Strength (N/25mm)	SUS (Polished with #360)	20min.	15.0	<ul style="list-style-type: none"> •JIS Z1528 •180° Peel •Peel Speed 300mm/min •23°C・50%RH •Lining material: PET#25
		24Hrs.	18.7	
	PI	20min.	15.1	
		24Hrs.	15.4	
	AL	20min.	12.2	
		24Hrs.	16.0	
Holding Power (mm/5000sec)		40°C	0.2	<ul style="list-style-type: none"> •Load 1kg •25mm×25mm •Substrate:Stainless steel (Polished with # 360) •Lining material: PET#25
		80°C	0.4	
Ball Tack (No.)			1~2	•J.DOW Method (23°C)

Properties

◆Siloxane gas

Compound	Measured value
Total Siloxane	0.478
Total D3-D5	0.429
- (D3) Cyclotrisiloxane, hexamethyl-	0.192
- (D4) Cyclotetrasiloxane, octamethyl-	0.030
- (D5) Cyclopentasiloxane, decamethyl-	0.207
Total D6-D12, DPS	0.049
- (D6) Cyclohexasiloxane, dodecamethyl-	0.049
- (D7) Cycloheptasiloxane, tetradecamethyl-	Not Detected
- (D8) Cyclooctasiloxane, hexadecamethyl-	Not Detected
- (D9) Cyclononasiloxane, octadecamethyl-	Not Detected
- (D10) Cyclodecasiloxane, eicosamethyl-	Not Detected
- (D11) Cycloundecasiloxane, docosamethyl-	Not Detected
- (D12) Cyclododecasiloxane, tetracosamethyl-	Not Detected
- (DPS) 1,1,3,3,5,5-hexamethyl-1,5-diphenyl-trisiloxane	Not Detected
Sulfur Compounds	Not Detected

Unit: ng/part

【Test method】

•Measuring equipment: GC/MS

•Heating Condition: 150°C×60min.

•Analysis: DHS

◆Out gas

Compound	Measured value
Acrylic Acid	0.006
Amino Compounds	Not Detected
Phthalates	0.004
Paraffin C10-22	Not Detected
Paraffin C23-35	Not Detected
Others	9.544
Low Boiling Point TOC (~C18)	9.828
High Boiling Point TOC (C18~)	0.288
Total Outgassing	9.553

Unit: µg/part

【Test method】

•Measuring equipment: GC/MS

•Heating Condition: 150°C×60min.

•Analysis: DHS

Properties

◆Impurity ions

		Measured value	Method Detection Limit
Anionic Contamination	Fluoride as F	Not detected	1.2000
	Chloride as Cl	Not detected	1.2000
	Nitrite as NO ₂	<1.2000	1.2000
	Bromide as Br	Not detected	1.2000
	Nitrate as NO ₃	Not detected	1.2000
	Phosphate as PO ₄	Not detected	1.2000
	Sulfate as SO ₄	Not detected	1.2000
	Oxalate, C ₂ O ₄	8.8480	1.6000
Cationic Contamination	Lithium as Li	Not detected	2.8000
	Sodium as Na	<2.8000	2.8000
	Ammonium as NH ₄	13.5210	2.8000
	Potassium as K	Not detected	2.8000
	Magnesium as Mg	Not detected	2.8000
	Calcium as Ca	<2.8000	2.8000

Unit: ng/cm²

【Test method】

- Measuring equipment: Ion chromatography
- Extraction Medium: Ultrapure Water at 80°C
- Number of pieces used for extraction:20 cm²
- Extraction Volume: 50mL

Notices

Attach after wiping off oily, dusty and moisture substances on the surface of the adherend you may use.

Give an enough pressure when attaching, under the temperature condition over 10°C as possible.

Store it in a cool, dark place away from direct sunlight.

These data are representative so as not to guarantee for your conditions,nor do they for the wide range of each application described in this technical information.

Examining the compatibility of the adherend material with our product in advance, make a decision of starting to use.

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