

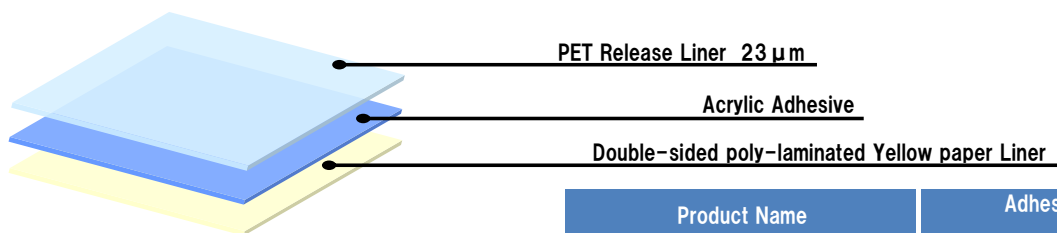
Substrate-free double-sided adhesive tape

SFA-105 , 110

Outline

SFA-105, 110 are substrate-free double-sided adhesive tapes.
It has excellent adhesion to many adherends.
Toluene-free type, suitable for VOC countermeasure applications.

Structure



Product Name	Adhesive Thickness (μm)
SFA-105	50
SFA-110	100

Properties

◆Adhesive strength

			Measured value	
			SFA-105	SFA-110
Adhesive Strength 180° Peel (N/25mm)	SUS (# 360 Polishing)	20min.	13.8	16.9
		24Hrs.	19.7	28.1
	Aluminum	20min.	10.4	12.6
		24Hrs.	14.5	21.3
	Acrylic	20min.	11.6	13.8
		24Hrs.	15.0	20.6
	PP	20min.	12.9	20.4
		24Hrs.	13.3	22.1
Adhesive Strength 90° Peel (N/25mm)	SUS (# 360 Polishing)	20min.	6.5	9.7
		24Hrs.	14.4	19.1
	Aluminum	20min.	7.1	10.7
		24Hrs.	12.0	20.5
	Acrylic	20min.	10.1	12.6
		24Hrs.	12.1	20.2
	PP	20min.	4.4	9.2
		24Hrs.	5.7	11.4

【Test method】

•JIS Z1528

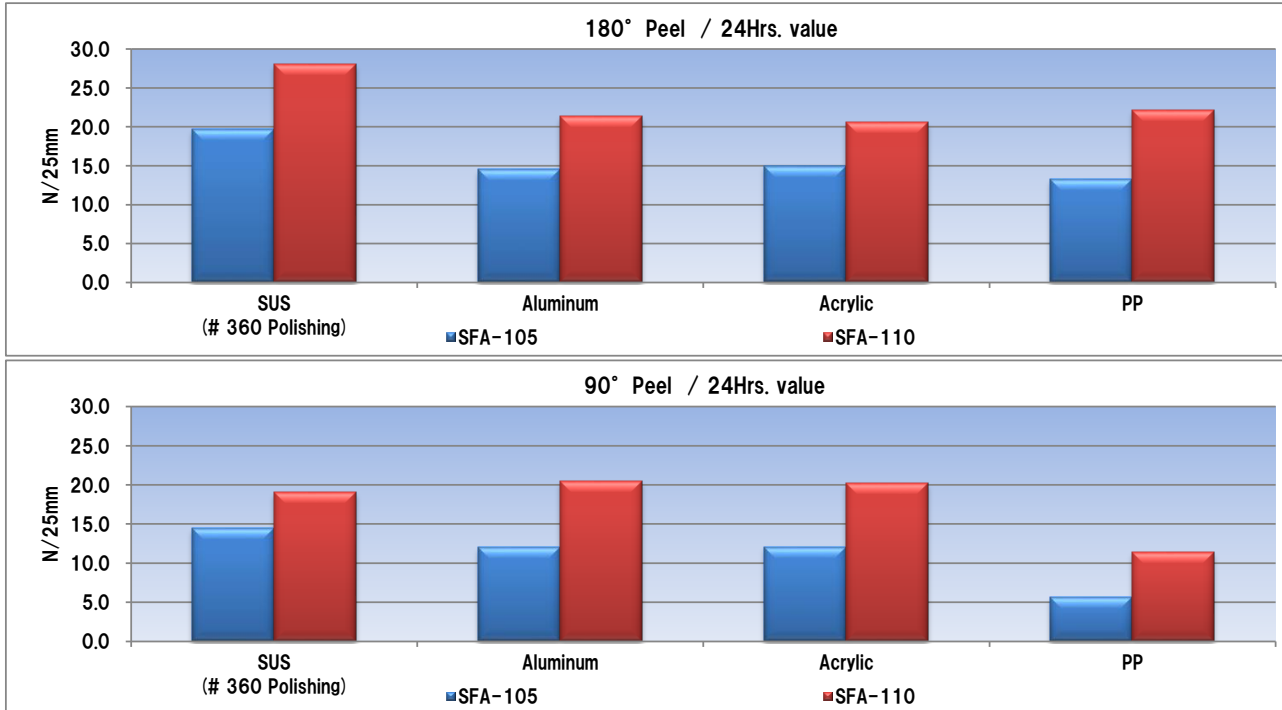
•Test condition 23°C・50%RH

•Peel Speed 300mm/min

•Lining material: PET#25

Properties

◆ Adhesive strength



◆ Adhesive strength After The Environmental Test

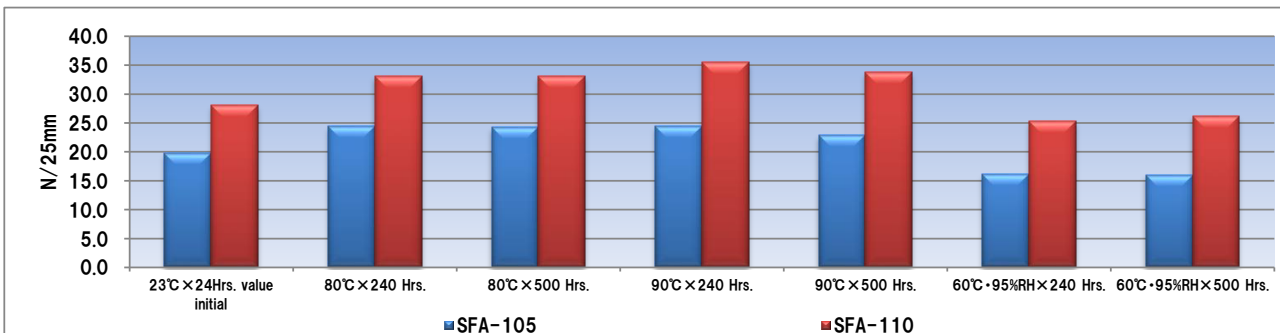
Test condition	Measured value	
	SFA-105	SFA-110
23°C×24Hrs. value initial	19.7	28.1
80°C×240 Hrs.	24.4 AT	33.1 AT
80°C×500 Hrs.	24.2 AT	33.1 AT
90°C×240 Hrs.	24.4 AT	35.5 AT
90°C×500 Hrs.	22.9 AT	33.8 AT
60°C·95%RH×240 Hrs.	16.1 AT	25.3 AT
60°C·95%RH×500 Hrs.	16.0 AT	26.1 AT

Unit: N.25mm

AT:Adhesive Transfer

【Test method】

- JIS Z1528
- Lining material: PET#25
- Peel Speed 300mm/min
- Substrate: SUS (# 360 Polishing)
- 180° Peel
- Environmental test → measured after 23° C x 1 hour
- Test condition 23°C·50%RH



Properties

◆Adhesion at 80°C atmosphere

		Measured value	
		SFA-105	SFA-110
Adhesive strength at 80°C (N/25mm)	SUS (# 360 Polishing)	12.1 AT	18.5 AT

AT:Adhesive Transfer

【Test method】

- JIS Z1528 •Peel Speed 300mm/min
- 180° Peel •Temperature:80°C •Lining material: PET#25

◆Holding Power

		Measured value	
		SFA-105	SFA-110
mm/50000sec	40°C	0.1	0.2
	80°C	0.3	0.3
mm/1hr	25°C	0.0	0.0
	40°C	0.0	0.0
	80°C	0.0	0.0

【Test method】

- Load 1kg •25mm×25mm •Substrate:Stainless steel (Polished with # 360)
- Lining material: PET#25

◆Ball Tack

	Measured value	
	SFA-105	SFA-110
Ball No.	4	4

【Test method】

- J.DOW Method (23°C)

◆Shearing adhesive strength

		Measured value	
		SFA-105	SFA-110
Shearing adhesive strength N/cm ²	40°C	≧ 500	≧ 500
	80°C	128.0	258.9
	40°C	108.5	224.7
	80°C	52.5	77.5
	80°C	20.7	37.6

【Test method】

- Sample: 10mm x 10mm •Peel Speed 300mm/min •Substrate:Stainless steel (Polished with # 360)
- Curing condition: 23°C•50%RH x 24hrs.

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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