

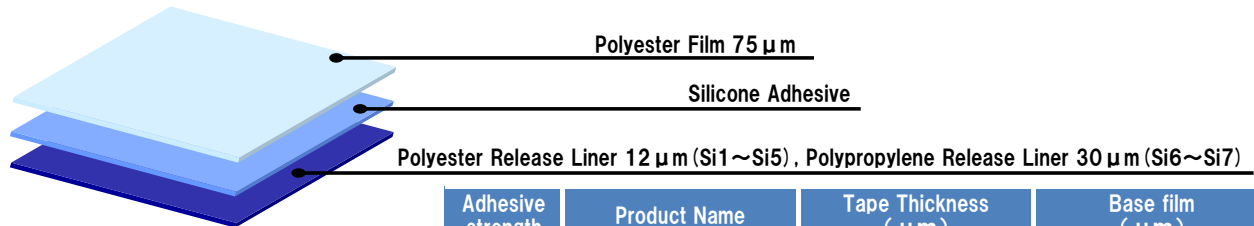
Silicone slightly adhesive sheet based on polyester film


## PET75-Si series

### Outline

PET75-Si series is an adhesive sheet based on a transparent polyester film and coated with a slightly adhesive type silicone adhesive. The adhesive strength does not increase even during high-speed peeling, making it ideal for applications such as carrier films for processing.

### Structure



Adhesive strength	Product Name	Tape Thickness (μm)	Base film (μm)
Low  High	PET75-Si1	83	75
	PET75-Si2	83	75
	PET75-Si3	83	75
	PET75-Si4	83	75
	PET75-Si5	83	75
	PET75-Si6	83	75
	PET75-Si7	83	75

### Properties

#### ◆Adhesive strength (N/25mm)

Substrate	PET75-Si1		PET75-Si2		PET75-Si3		PET75-Si4		PET75-Si5	
	1min.	24Hrs.	1min.	24Hrs.	1min.	24Hrs.	1min.	24Hrs.	1min.	24Hrs.
SUS (BA)	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.10	0.12
Glass	0.01	0.03	0.02	0.03	0.03	0.04	0.06	0.08	0.10	0.13
ABS	0.01	0.01	0.02	0.02	0.03	0.03	0.06	0.07	0.11	0.12
PMMA	0.01	0.01	0.02	0.02	0.02	0.03	0.05	0.06	0.10	0.12
PC	0.01	0.01	0.01	0.02	0.02	0.03	0.06	0.07	0.10	0.12
PET	0.01	0.02	0.02	0.03	0.03	0.04	0.07	0.08	0.12	0.13
AL	0.01	0.02	0.01	0.03	0.02	0.04	0.05	0.07	0.09	0.13
PI	0.01	0.02	0.02	0.03	0.03	0.04	0.07	0.08	0.12	0.14

Substrate	PET75-Si6		PET75-Si7	
	1min.	24Hrs.	1min.	24Hrs.
SUS (BA)	0.21	0.24	0.30	0.34
Glass	0.20	0.24	0.29	0.35
ABS	0.24	0.23	0.31	0.31
PMMA	0.21	0.24	0.28	0.35
PC	0.21	0.24	0.29	0.34
PET	0.22	0.26	0.30	0.37
AL	0.19	0.23	0.27	0.33
PI	0.24	0.28	0.32	0.41

[Test method]

•JIS Z 0237 (2000)

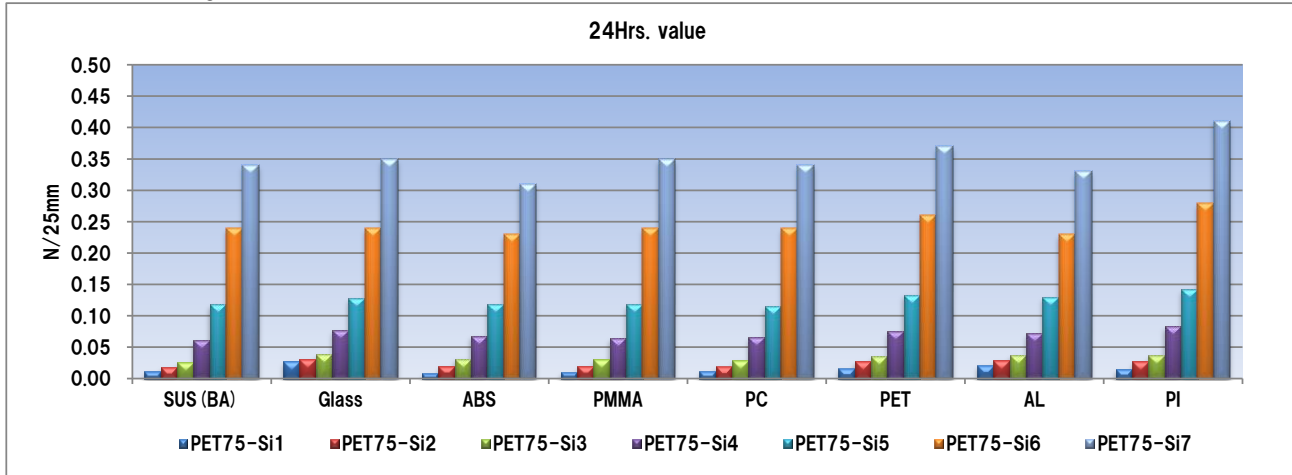
•180° Peel

•Peel Speed 300mm/min

•23°C•50%RH

## Properties

### ◆ Adhesive strength (N/25mm) :24Hrs. Value



### ◆ Adhesive strength by peeling speed (N/25mm)

		PET75-Si1		PET75-Si2		PET75-Si3		PET75-Si4	
		300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min
Substrate PET	1min.	0.01	0.02	0.02	0.06	0.03	0.11	0.07	0.22
	24Hrs.	0.02	0.03	0.03	0.07	0.04	0.12	0.08	0.25

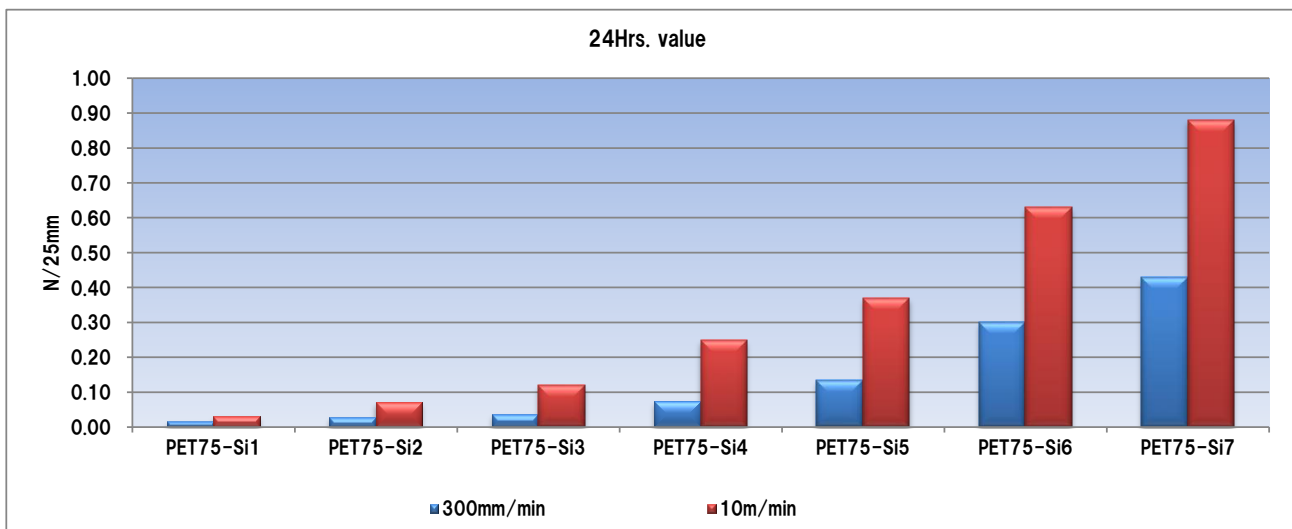
		PET75-Si5		PET75-Si6		PET75-Si7	
		300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min
Substrate PET	1min.	0.12	0.32	0.27	0.58	0.37	0.85
	24Hrs.	0.13	0.37	0.30	0.63	0.43	0.88

#### 【Test method】

•JIS Z 0237 (2000)

•180° Peel

•23°C•50%RH



## Properties

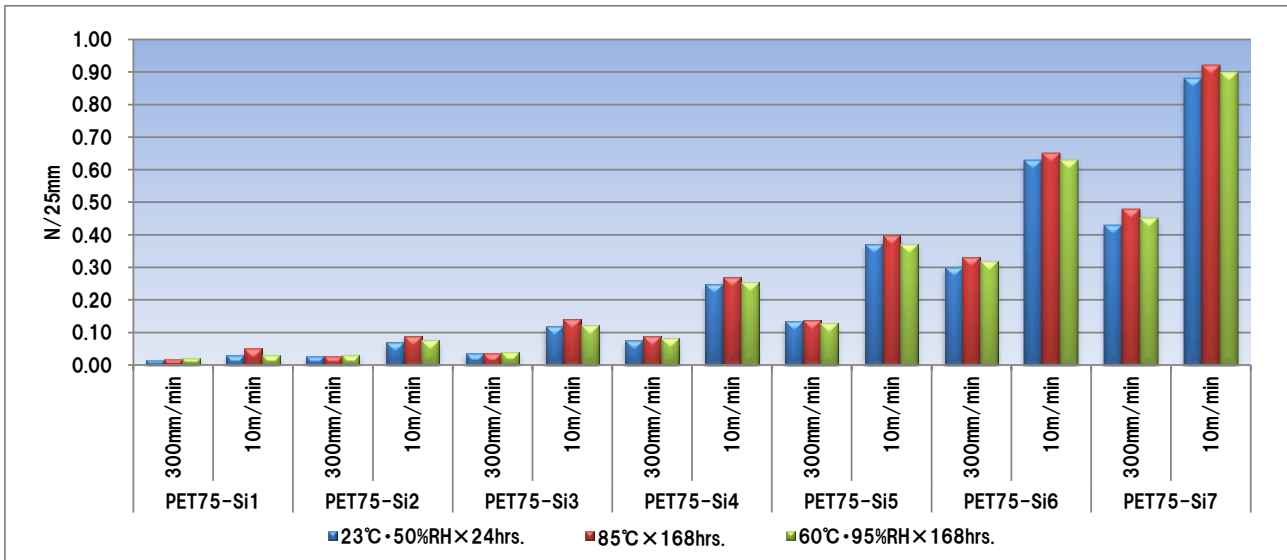
### ◆Adhesive strength after the environmental test (N/25mm)

Test condition	PET75-Si1		PET75-Si2		PET75-Si3		PET75-Si4	
	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min
23°C·50%RH×24hrs.	0.02	0.03	0.03	0.07	0.04	0.12	0.08	0.25
85°C×168hrs.	0.02	0.05	0.03	0.09	0.04	0.14	0.09	0.27
60°C·95%RH×168hrs.	0.02	0.03	0.03	0.08	0.04	0.12	0.08	0.25

Test condition	PET75-Si5		PET75-Si6		PET75-Si7	
	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min
23°C·50%RH×24hrs.	0.13	0.37	0.30	0.63	0.43	0.88
85°C×168hrs.	0.14	0.40	0.33	0.65	0.48	0.92
60°C·95%RH×168hrs.	0.13	0.37	0.32	0.63	0.45	0.90

【Test method】

- JIS Z 0237 (2000)
- Substrate:PET
- 180° Peel
- 23°C·50%RH



### ◆Removability after environmental testing

Test condition	PET75-Si1		PET75-Si2		PET75-Si3		PET75-Si4	
	Substrate:PET		Substrate:PET		Substrate:PET		Substrate:PET	
	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min
23°C·50%RH×24hrs.	○	○	○	○	○	○	○	○
85°C×168hrs.	○	○	○	○	○	○	○	○
60°C·95%RH×168hrs.	○	○	○	○	○	○	○	○

Test condition	PET75-Si5		PET75-Si6		PET75-Si7	
	Substrate:PET		Substrate:PET		Substrate:PET	
	300mm/min	10m/min	300mm/min	10m/min	300mm/min	10m/min
23°C·50%RH×24hrs.	○	○	○	○	○	○
85°C×168hrs.	○	○	○	○	○	○
60°C·95%RH×168hrs.	○	○	○	○	○	○

Assessment of removability

○>○>△>×

◎:Excellent ○:Only slightly stained

△:Stained ×:Cohesion failure

## 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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