

Polyester sheets with very low adhesion for production process

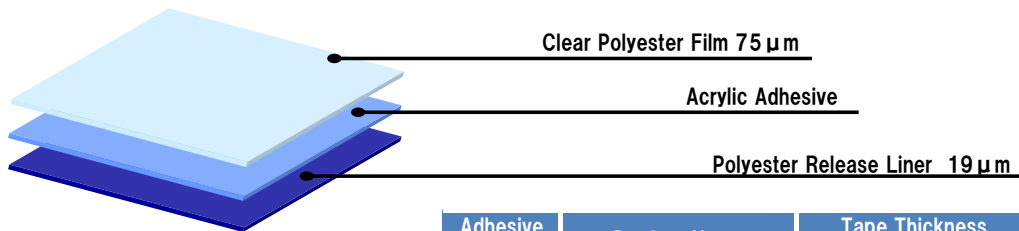
## PET75-H2,RB1,RC6 series

### Outline

Polyester sheets with very low adhesion for industrial process are coated with a good removability acrylic adhesive on a polyester (PET) film.

Used as protective film or a carrier during production process, reliable removability and easy handling. A series of all production process is conducted in clean-room.

### Structure



Adhesive strength	Product Name	Tape Thickness (μm)	Base film (μm)
<div style="text-align: center;"> <p>low</p> <p>high</p> </div>	PET75-H2120 (10)	85	75
	PET75-H270 (10)	85	75
	PET75-RB114 (20)	95	75
	PET75-RB107 (20)	95	75
	PET75-RB105 (20)	95	75
	PET75-RC611 (20)	95	75

### Properties

#### ◆ Adhesive strength (N/25mm)

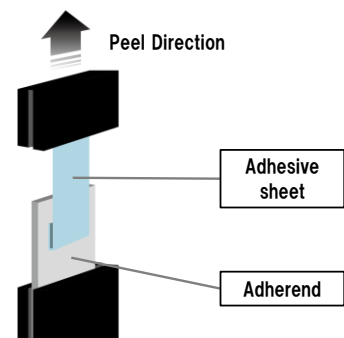
Substrate	PET75-H2120 (10)		PET75-H270 (10)		PET75-RB114 (20)		PET75-RB107 (20)		PET75-RB105 (20)	
	20min.	24hrs.	20min.	24hrs.	20min.	24hrs.	20min.	24hrs.	20min.	24hrs.
PET	0.04	0.04	0.15*	0.19*	0.39	0.44	0.51	0.59	0.80	0.90
Glass	0.03	0.03	0.09*	0.08*	0.31	0.35	0.37	0.39	0.57	0.59
ABS	0.03	0.03	0.10*	0.12*	0.78	1.06	0.71	1.57	1.76	5.70
PMMA	0.03	0.04	0.11*	0.13*	0.54	0.74	0.53	0.78	0.85	1.37
PC	0.03	0.04	0.09*	0.10*	0.63	0.98	0.72	1.29	0.89	1.47
SUS	0.03	0.04	0.08*	0.12*	0.27	0.37	0.51	0.70	0.80	1.15
Al	0.01	0.01	0.03	0.05*	0.25	0.36	0.25	0.41	0.39	0.67

Substrate	PET75-RC611 (20)	
	20min.	24hrs.
PET	4.73	5.36
Glass	3.05	3.10
ABS	2.96	3.75
PMMA	2.71	2.76
PC	3.15	3.30
SUS	3.05	6.50
Al	0.70	0.80

[Test method]  
 • JIS Z 0237 (2000) • 180° Peel  
 • Peel Speed 300mm/min • Test condition 23°C • 50%RH

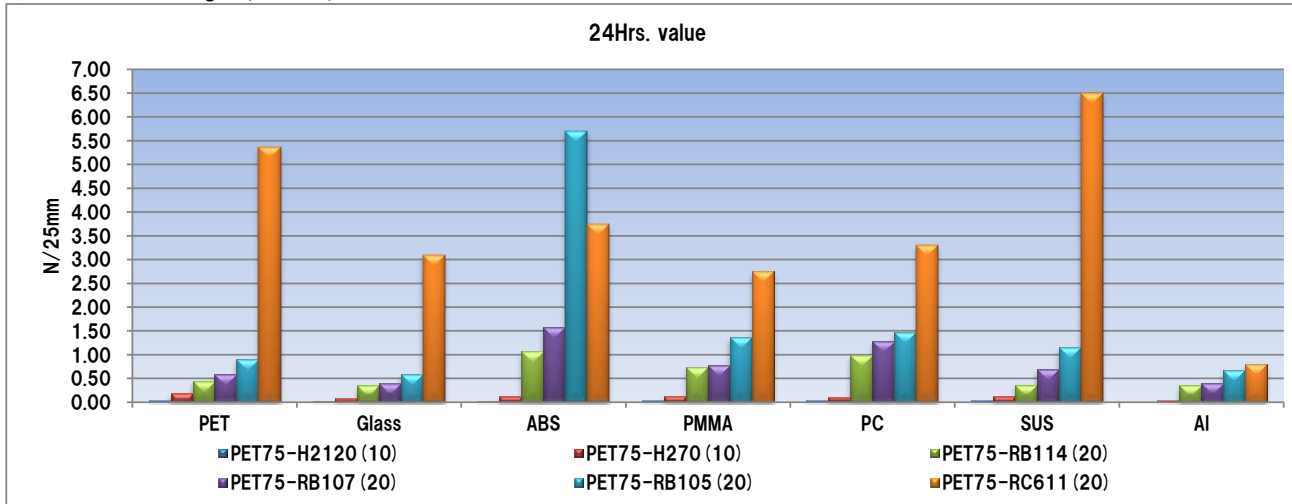
Unit: N/25mm

<Figure>



## Properties

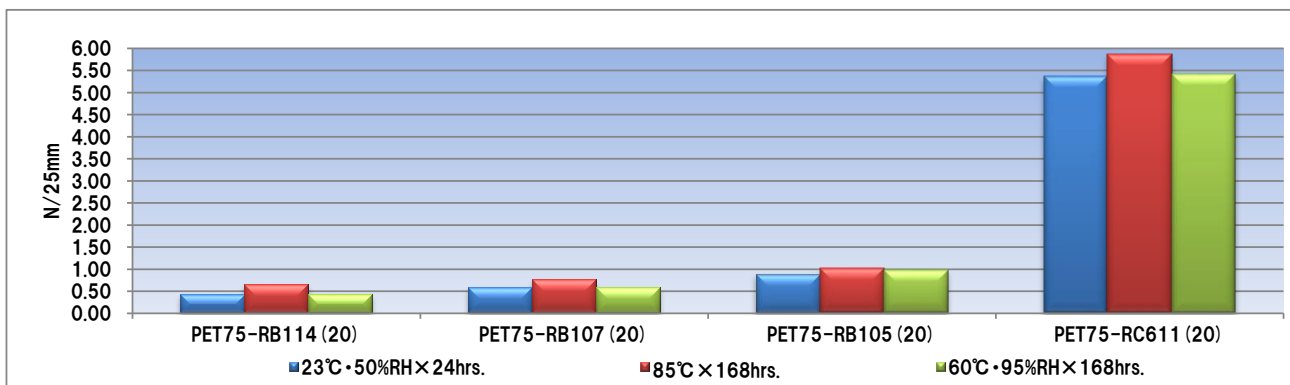
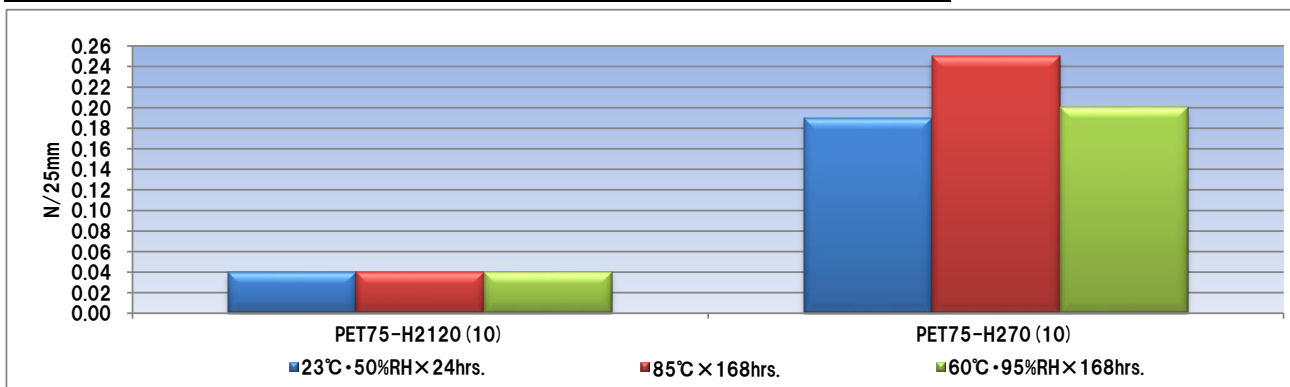
### ◆ Adhesive strength (24hrs.)



### ◆ Adhesive strength After The Environmental Test (Substrate:PET)

Test condition	PET75-H2120 (10)	PET75-H270 (10)	PET75-RB114 (20)	PET75-RB107 (20)	PET75-RB105 (20)	PET75-RC611 (20)
23°C·50%RH×24hrs.	0.04	0.19*	0.44	0.59	0.90	5.36
85°C×168hrs.	0.04	0.25*	0.66	0.76	1.02	5.87
60°C·95%RH×168hrs.	0.04	0.20*	0.44	0.59	0.98	5.42

【Test method】  
 •JIS Z 0237 (2000)  
 •180° Peel  
 •Peel Speed 300mm/min  
 •Test condition 23°C·50%RH  
 Unit : N / 25mm



## Properties

### ◆Removability after environmental testing

	Heat resistance test (85°C × 168hrs.)					
	SUS	PET	Glass	PMMA	PC	ABS
PET75-H2120 (10)	◎**	◎	◎	◎	◎	◎
PET75-H270 (10)	◎**	◎	◎	◎	◎	◎
PET75-RB114 (20)	○**	◎	◎	○	○**	◎
PET75-RB107 (20)	×	◎	◎	○	○**	○**
PET75-RB105 (20)	×	◎	◎	○	○**	○**
PET75-RC611 (20)	×	◎	◎	○	○**	○

	Heat and humidity resistance test (60°C · 95%RH × 168hrs)					
	SUS	PET	Glass	PMMA	PC	ABS
PET75-H2120 (10)	○	◎	◎	◎	◎	◎
PET75-H270 (10)	○	◎	◎	◎	◎	◎
PET75-RB114 (20)	○	◎	◎	○	○**	◎
PET75-RB107 (20)	○**	◎	◎	○	○**	○**
PET75-RB105 (20)	×	◎	◎	○	○**	○**
PET75-RC611 (20)	×	◎	◎	◎	○**	○

\* \* \* Cohesion failure on the edge of adherend at high cross-head speed

#### 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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