

Acrylic slightly adhesive sheet based on polyester film for production process

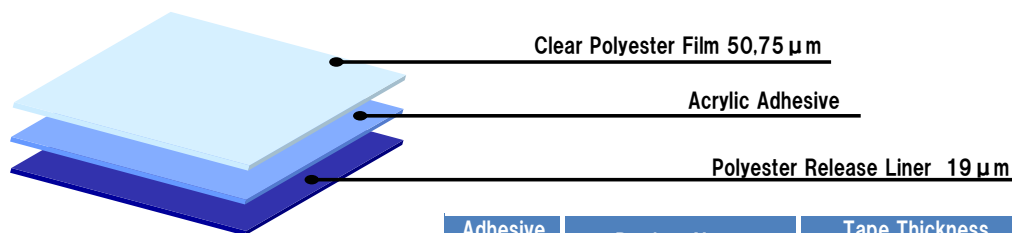
PET50,75-Y2 series

Outline

PET50, 75-Y2 series are adhesive sheets based on a transparent polyester film and coated with a slightly adhesive type acrylic adhesive.

It is used as a carrier film or protective film during processing because of its excellent removability and easy peeling with light release. A series of all production process is conducted in clean-room.

Structure



Adhesive strength	Product Name	Tape Thickness (μm)	Base film (μm)
low ↑↓ high	PET75-Y250 (10) K	85	75
	PET75-Y220 (10) K	85	75
	PET75-Y210 (10) K	85	75
low ↑↓ high	PET50-Y250 (10) K	60	50
	PET50-Y220 (10) K	60	50
	PET50-Y210 (10) K	60	50

Properties

◆ Adhesive strength

Substrate	PET75-Y250 (10) K		PET75-Y220 (10) K		PET75-Y210 (10) K	
	20min.	24hrs.	20min.	24hrs.	20min.	24hrs.
SUS	0.03	0.06	0.05	0.11	0.08	0.14
Glass	0.04	0.04	0.07	0.07	0.10	0.10
ABS	0.04	0.06	0.06	0.08	0.17	0.21
PS	0.04	0.04	0.05	0.13	0.14	0.20
PMMA	0.08	0.09	0.13	0.13	0.21	0.22
PC	0.08	0.09	0.12	0.14	0.22	0.24
PET	0.08	0.09	0.12	0.12	0.21	0.22
Al	0.02	0.02	0.02	0.02	0.03	0.05

Unit: N/25mm

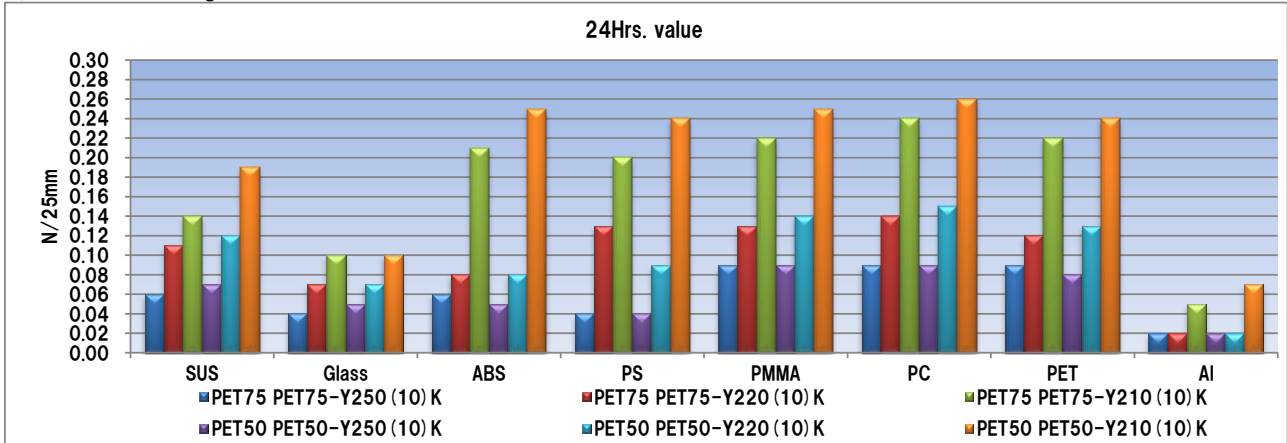
Substrate	PET50-Y250 (10) K		PET50-Y220 (10) K		PET50-Y210 (10) K	
	20min.	24hrs.	20min.	24hrs.	20min.	24hrs.
SUS	0.03	0.07	0.06	0.12	0.11	0.19
Glass	0.05	0.05	0.07	0.07	0.10	0.10
ABS	0.03	0.05	0.06	0.08	0.15	0.25
PS	0.03	0.04	0.07	0.09	0.17	0.24
PMMA	0.09	0.09	0.14	0.14	0.25	0.25
PC	0.09	0.09	0.14	0.15	0.25	0.26
PET	0.08	0.08	0.13	0.13	0.23	0.24
Al	0.01	0.02	0.02	0.02	0.05	0.07

Unit: N/25mm

【Test method】
 • JIS Z 0237 (2000)
 • Peel Speed 300mm/min
 • Peeling angle 180°
 • Test condition 23°C 50%RH

Properties

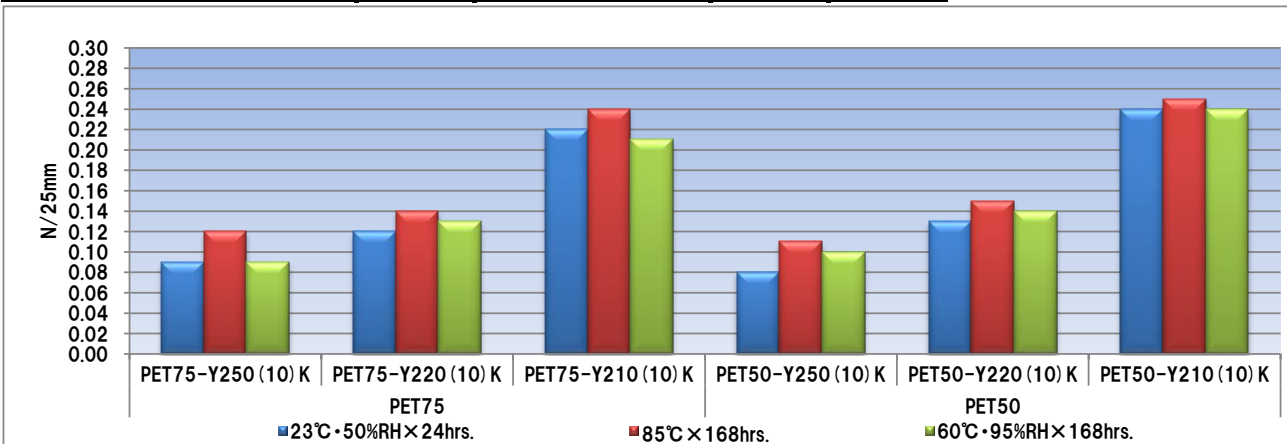
◆ Adhesive strength



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

Test condition	PET75			PET50		
	PET75-Y250 (10) K	PET75-Y220 (10) K	PET75-Y210 (10) K	PET50-Y250 (10) K	PET50-Y220 (10) K	PET50-Y210 (10) K
23°C·50%RH×24hrs.	0.09	0.12	0.22	0.08	0.13	0.24
85°C×168hrs.	0.12	0.14	0.24	0.11	0.15	0.25
60°C·95%RH×168hrs.	0.09	0.13	0.21	0.10	0.14	0.24

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



◆ Removability after environmental testing

	Heat resistance test (85°C×168H)			Heat and humidity resistance test (60°C·95%RH×168H)		
	Y-250	Y-220	Y-210	Y-250	Y-220	Y-210
SUS	△	×	×	○	○	×
Glass	◎	◎	◎	◎	◎	◎
ABS	◎	◎	◎	◎	◎	◎
PS	◎	◎	◎	◎	◎	◎
PMMA	◎	◎	◎	◎	◎	◎
PC	◎	◎	◎	◎	◎	◎
PET	◎	◎	◎	◎	◎	◎
AL	◎	◎	◎	△	×	×

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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