

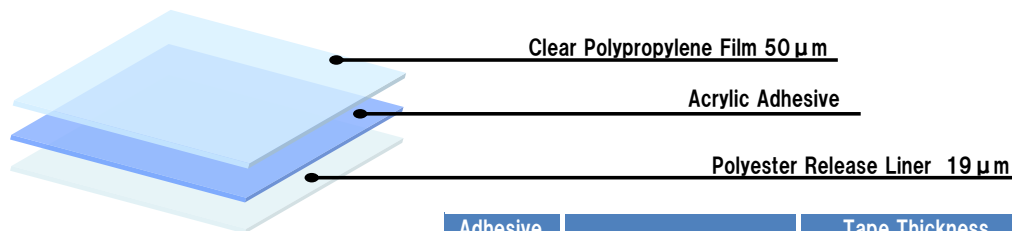
Acrylic slightly adhesive sheet based on polypropylene film for production process
Environmental Contribution Products

PP50-Y2 series

Outline

PP50-Y2 series are adhesive sheets based on a transparent polypropylene 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. Compared to PET film types, this product contributes to reducing the environmental impact by reducing the weight at the time of disposal and reducing the amount of CO₂ generated during combustion.

Structure



Adhesive strength	Product Name	Tape Thickness (μm)	Base film (μm)
low high	PP50-Y250 (10) L19	60	50
	PP50-Y220 (10) L19	60	50
	PP50-Y210 (10) L19	60	50

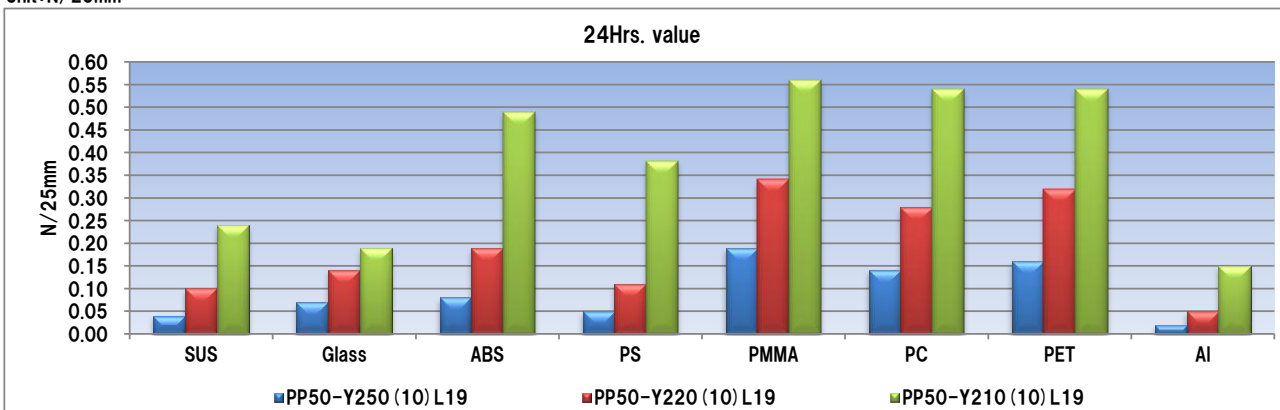
Properties

◆ Adhesive strength

Substrate	PP50-Y250 (10) L19		PP50-Y220 (10) L19		PP50-Y210 (10) L19	
	20min.	24hrs.	20min.	24hrs.	20min.	24hrs.
SUS	0.03	0.04	0.07	0.10	0.17	0.24
Glass	0.07	0.07	0.13	0.14	0.19	0.19
ABS	0.06	0.08	0.12	0.19	0.27	0.49
PS	0.05	0.05	0.10	0.11	0.27	0.38
PMMA	0.16	0.19	0.33	0.34	0.51	0.56
PC	0.14	0.14	0.27	0.28	0.48	0.54
PET	0.13	0.16	0.29	0.32	0.50	0.54
Al	0.02	0.02	0.04	0.05	0.12	0.15

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

Unit: N/25mm

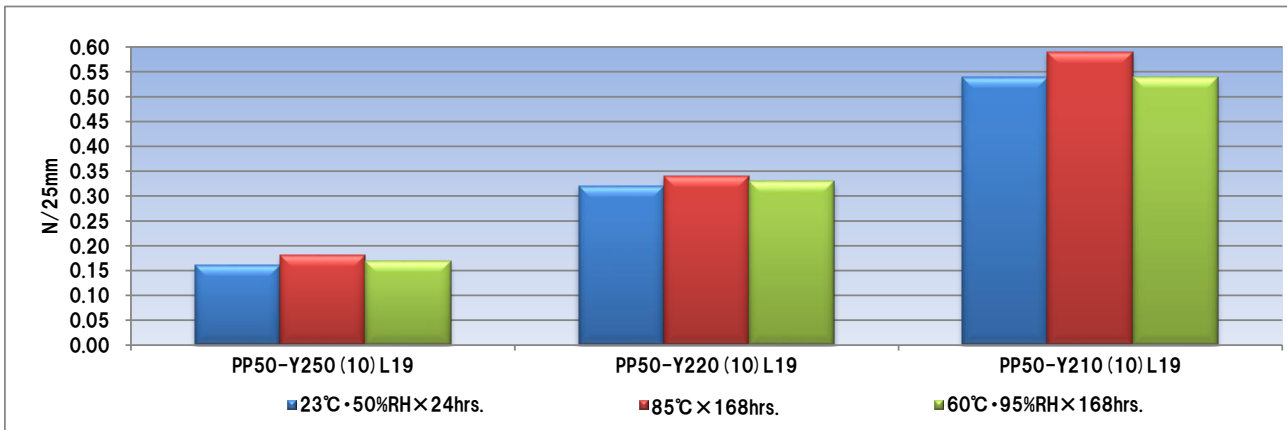


Properties

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

Test condition	PP50-Y250 (10) L19	PP50-Y220 (10) L19	PP50-Y210 (10) L19
23°C·50%RH×24hrs.	0.16	0.32	0.54
85°C×168hrs.	0.18	0.34	0.59
60°C·95%RH×168hrs.	0.17	0.33	0.54

【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

*Adhesive residue at high speed peeling

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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