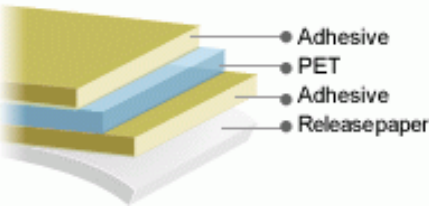


PET carrier Impact force resistant type double coated tapes **G9751 series**

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- High impact force resistance, and high initial adhesion.
- Strong against static load under high heat/humidity condition. Helps to minimize the repulsion of gasket.
- Easy handling and precise punching process with high rigidity by using PET

Structure



Product name	G9751-100	G9751-150
Main component	Acrylic	Acrylic
Carrier	About 25μmPET	About 25μmPET
Color	Transparent	Transparent
Adhesive thickness (μm)	About 100	About 150
Release paper thickness (μm)	About 120	About 120
Bonding strength (N/20mm) *	12	14
St'd size (width & length)	1,000mm × 50m	1,000mm × 50m

* 180° peeling strength

Suitable use

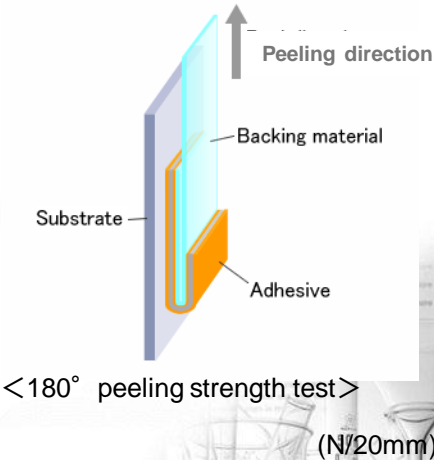
- Ideal for bonding the LCD display windows and the nameplate fixation usage such as cellular phones.

Technical data

1. Bonding strength on various type of substrate (180° peeling)

<Test piece condition>
Tape width: 20mm
Bonding condition: One stroke with 2-kg roller
Measuring condition: 23°C±5°C 60%±20%RH
Peel speed: 300mm/min
Backing material: 25μmPET
[Left at RT for one hour before measurement]

<Results>



Substrate		SUS	ABS	Acrylic	Mg	AL	Glass
180° peeling strength	G9751-100	12.1	11.6	12.2	12.0	4.4	10.7
	G9751-150	13.6	12.7	13.7	13.6	5.5	11.5

2. Holding power under each temperature

<Test piece condition>

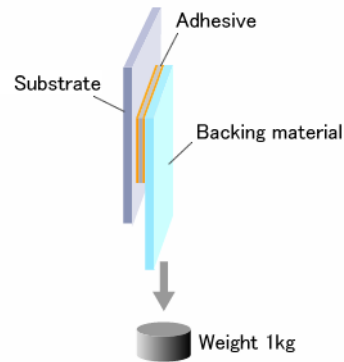
Substrate: Stainless steel plate (SUS304)

Bonding area: 25mm × 25mm

Bonding condition: One stroke with 2-kg roller

Backing material: 25μmPET

[Left at RT for one hour and measure creep length after one hour application of 1-kg load at each temperature]



<Results>

Measurement temperature		40℃	100℃
Creep length (mm)	G9751-100	0.2	0.3
	G9751-150	0.3	0.6

<Holding power test>

3. Impact force resistance

<Test piece condition>

Measuring instrument: DuPont type impact tester

Substrate: ABS plate 50mm × 50mm × 4mm

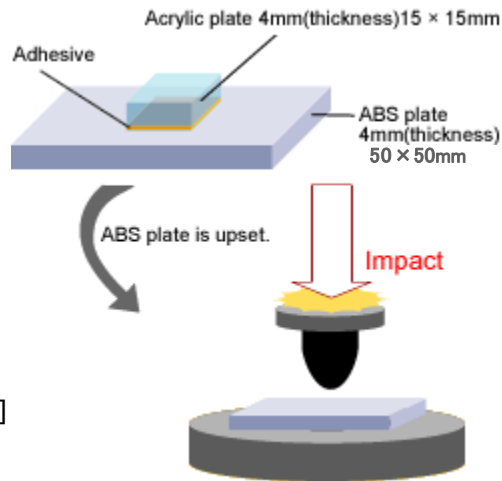
Substrate: Acrylic plate 15mm × 15mm × 4mm

Bonding area: 15mm × 15mm

Measuring condition: 23℃±5℃ 60%±20%RH

[Dropping 300g weight onto the ABS face from a height of 15cm]

[Left at RT for one day after adhesion, and then under each condition for 30 minutes before measurement]



<Impact force resistance test>

* The impact is added by one of the methods of measuring an impact of the adhesive tape, the state of peeling off and the floatage is confirmed by watching, and the number of examinations and the number of which it peels off are recorded.

<Results>

Impact force resistance test	RT (n = 5)	G9751-100	not peeling off
		G9751-150	not peeling off

4. Heat resistance VHT

<Test piece condition>

Substrate ①: ABS plate 50mm × 50mm × 4mm

Substrate ②: Acrylic plate 40mm × 40mm × 1mm

Bonding area: 40mm × 1mm × 2 pieces

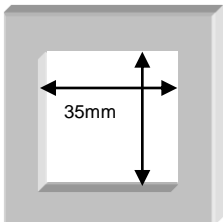
Bonding condition: One stroke with 2-kg roller

Measuring condition: 60°C 95%RH

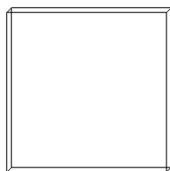
Load: 50g

[Left at RT for one day and then at each temperature for 30 minutes
before measurement]

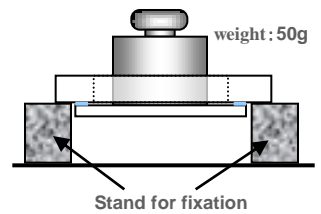
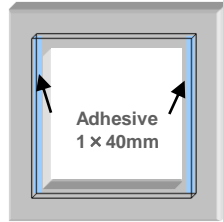
It is one of the methods of measuring the static load characteristic of the adhesive tape. Place the test piece on the stand for fixation with substrate② facing downward.
Put a weight on substrate② and leave the test piece in high temperature and high humidity environment.
Observe dropping of substrate②.



Substrate ①
ABS: 50 × 50 × 2 mm



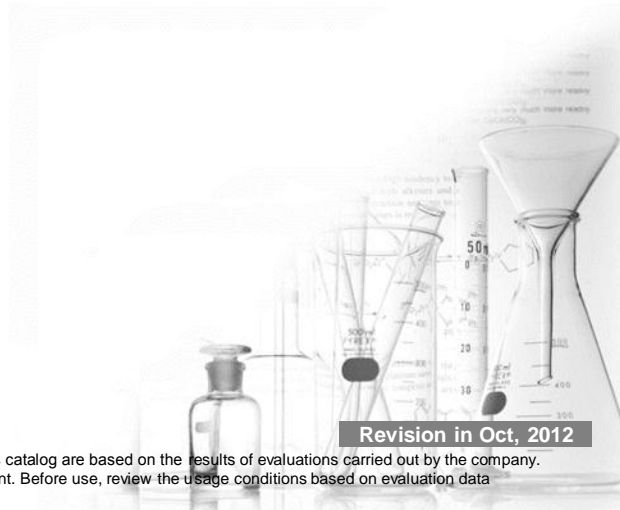
Substrate ② Acrylic
40 × 40 × 1 mm



<Heat resistance VHT>

<Results>

		40H	80H	120H	160H	200H	240H
Heat resistance VHT	G9751-100	○	○	○	○	○	○
○: No drop	G9751-150	○	○	○	○	○	○



Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company.
This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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