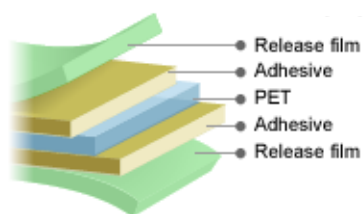


# Requision resistance type double coated tapes G9951 series

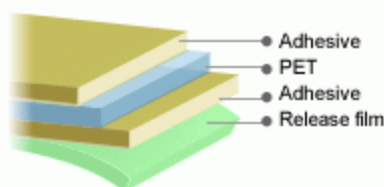
## Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- Various tape thickness is available (50, 80, 100, 150, 200μm)
- Excellent in the static load characteristic (practical characteristic) such as Curved surface bending and Stable weight peeling, capable to be applied for the three dimension curved surface
- PET carriers for excellent handling and punching process.

## Structure



<G9951W-50, 80, 100, 150>



<G9951-200>

Product name	G9951W-50	G9951W-80	G9951W-100	G9951W-150	G9951-200
Main component	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Carrier	About 12μmPET	About 12μmPET	About 25μmPET	About 25μmPET	About 25μmPET
Color	Transparent	Transparent	Transparent	Transparent	Transparent
Adhesive thickness (μm)	About 50	About 80	About 100	About 150	About 200
Release PET film thickness (μm)	About 38+50	About 38+50	About 38+50	About 38+50	About 50
Bonding strength *1 (N/20mm)	8.00	11.00	13.50	13.50	11.00
Bonding strength *2 (N/20mm)	5.00	7.00	7.50	9.00	7.00
St'd size (width & length)	500mm × 100m	500mm × 100m	500mm × 100m	500mm × 100m	500mm × 100m

\*1 180° peeling strength / substrate : stainless steel SUS304 (surface is polished by #280 sandpaper)

\*2 180° peeling strength / substrate : stainless steel SUS304BA

## Suitable use

- Ideal for bonding various plastics (ABS, PS, and acrylic etc.), metals (aluminum and stainless steel plate, etc), mesh and cushioning materials used in the mobile devices.



# Technical information

[Remarks]

\*The above values are sample observed values, not the guaranteed performance.

1. Bonding strength on various type of substrate (180°, 90° peeling)

<Test piece condition>

Tape width: 20mm

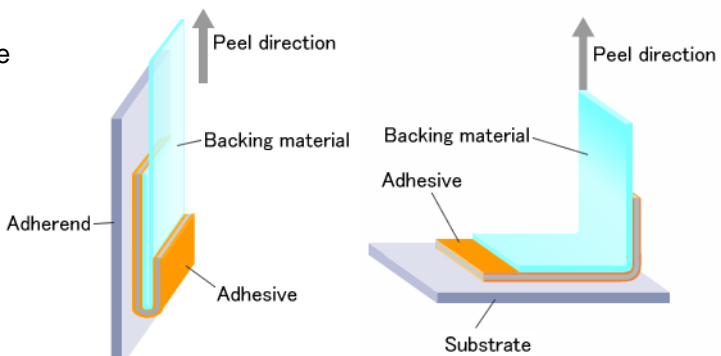
Bonding condition: One stroke with 2-kg roller

Measuring condition: 23°C±5°C 60%±20%RH

Peeling speed: 300mm/min

Backing material: 25µmPET

[Left at RT for one hour before measurement]



<180° peeling strength test>

<90° peeling strength test>

<Results>

(N/20mm)

Item	180° peeling strength			90° peeling strength	
	ABS	Acrylic	PC	SUS *	PC
G9951W-50	12.8	11.4	12.1	10.0	11.4
G9951W-80	15.5	15.2	15.9	11.7	12.1
G9951W-100	18.4	17.5	20.9	12.6	16.8
G9951W-150	18.6	18.4	20.0	14.5	19.4
G9951-200	14.9	15.6	18.8	15.6	19.3

Slip and stick

\*surface is polished by #280 sandpaper

2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate SUS304

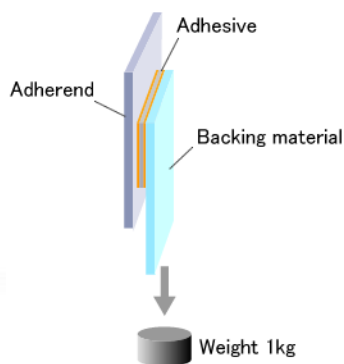
(surface is polished by #280 sandpaper)

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]



<Holding power test>

<Results>

Product name		G9951W-50	G9951W-80	G9951W-100	G9951W-150	G9951-200
Creep length (mm)	40°C	0.3	0.6	0.6	0.7	0.8
	100°C	0.5	0.8	0.8	1.0	1.3

### 3. Curved surface bending

#### <Test piece condition>

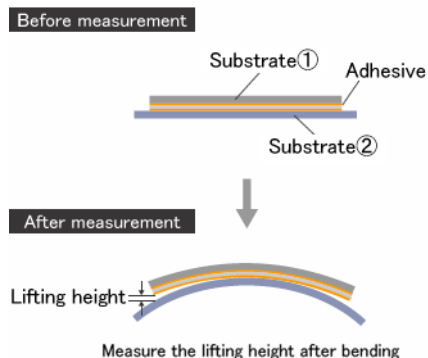
Substrate ①: AL plate 0.5mm × 20mm × 150mm

Substrate ②: ABS plate, PS plate 2mm × 25mm × 200mm

Bonding condition: One stroke with 2-kg roller

Measuring condition: 50°C

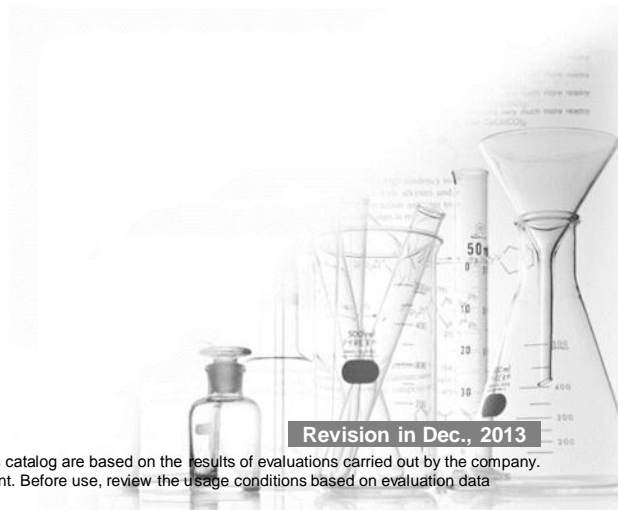
[Left at RT for 24 hours, then lifting height of the edge after the elapsed time is measured]



#### <Curved surface bending test>

#### <Results>

		G9951W-50	G9951W-80	G9951W-100	G9951W-150	G9951-200
Lifting height (mm)	ABS	0.0	0.0	0.0	0.0	0.0
	PS	0.3	0.0	0.0	0.0	0.0



**Revision in Dec., 2013**  
 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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