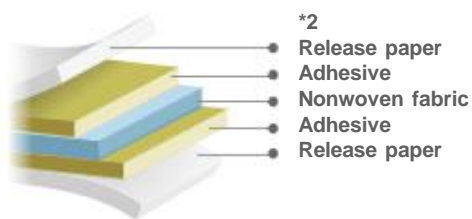


# General-purpose double coated tapes G9900/G9900W

## Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- High adhesive quality (heat resistance and weather resistance) for wide ranging applications.
- Standing up of bonding strength is early, and it excels in an initial bonding.
- It is possible to correspond also to the design with three dimension curved surface because it is excellent in the static load characteristic (practical characteristic) such as Curved surface bending and Stable weight peeling.

## Structure



Product name	G9900	G9900W *2
Main component	Acrylic	Acrylic
Carrier	Nonwoven fabric	Nonwoven fabric
Color	Translucent	Translucent
Adhesive thickness (μm)	About 150	About 150
Release paper thickness (μm)	About 150	About 150+120
Bonding strength (N/20mm) *3	15	15
St'd size (width & length)	500mm × 50m	500mm × 50m

\* UL certificated. UL file No: (UL969 NO.MH15431)

\*2 G9000RW is with both side release paper

\*3 180° peeling strength

## Suitable use

- It is suitable for the material bonding usage of plastic such as nameplates and front panels of electricity and an electronic equipment (ABS, PS, and acrylic resin, etc.) and the metals (aluminum and stainless steel plate, etc.).
- It is suitable for the bonding usage of form materials of packing and damping materials etc. of electricity and an electronic equipment (urethane etc.) and various rubbers.
- It is suitable for the bonding usage of plastic and the fabric in the automobile interior part (heat control panel and muffling material) etc.

## Technical data

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

<Test piece condition>

Tape width: 20mm

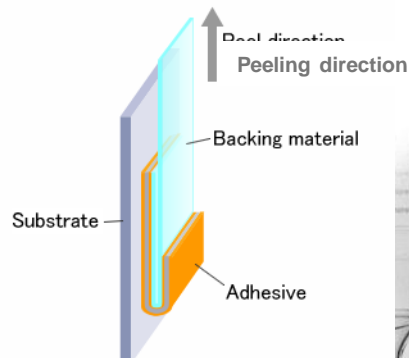
Bonding condition: One stroke with 2-kg roller

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

Peeling speed: 300mm/min

Backing material: 25μmPET

[Left at RT for one hour before measurement]



<180° peeling strength test>

<Results>

Substrate	SUS	AL	ABS	Acrylic	PS	PP	PC
180° peeling strength	14.7	8.1	14.8	15.5	14.8	8.0	15.7

(N/20mm)

(N/20mm)

Substrate	Soft PVC	Hard PVC	Glass	POM	NR
180° peeling strength	22.6	16.1	13.7	10.0	6.3

## 2. Curved surface bending

<Test piece condition>

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

Substrate ②: Polystyrene plate 2mm × 25mm × 200mm

Bonding condition: One stroke with 2-kg roller

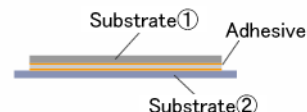
Measuring condition: 50°C

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

< Results >

Elapsed time	In 1 hour	In 3 hours	In 5 hours	In 8 hours	In 24 hours
Lifting height (mm)	0	0	0	0	0

Before measurement



After measurement



Measure the lifting height after bending  
< Curved surface bending test >

## 3. Stable weight peeling test

<Test piece condition>

Substrate: Polystyrene plate

Tape width : 20mm

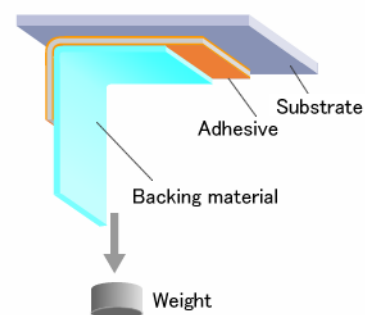
Bonding condition: One stroke with 2-kg roller

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

[Left at RT for one day, measure the peeled off distance by 100g load]

< Results >

Elapsed time	1 hour	3 hours	5 hours	8 hours	24 hours
Peel off distance (mm)	1.5	2.5	3.0	3.5	4.0



< Stable weight peeling test >

## 4. Bonding strength at different temperatures (180° peeling)

<Test piece condition >

Substrate: Stainless steel plate (SUS304)

Tape width: 20mm

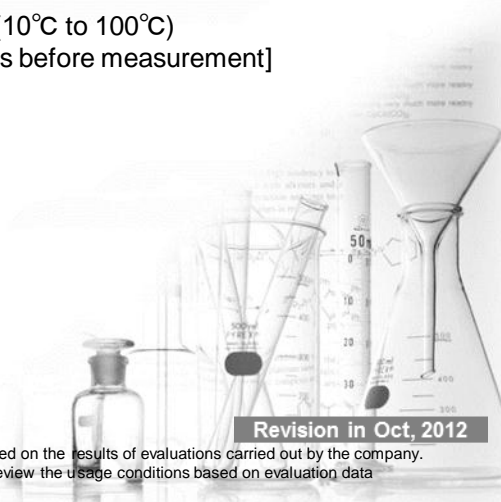
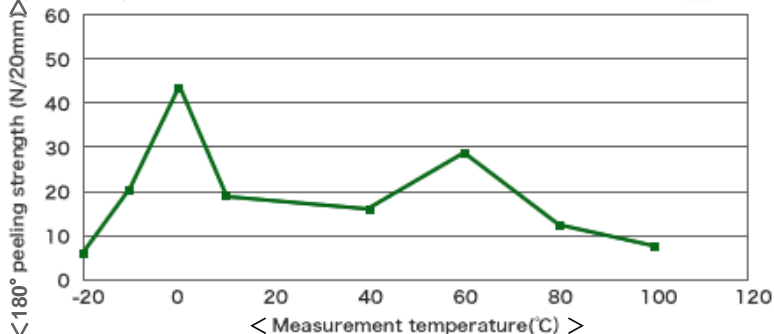
Bonding condition: One stroke with 2-kg roller

Peeling speed: 300mm/min

Backing material: 100µm Aluminum foil (-20°C to 5°C), 25µmPET (10°C to 100°C)

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

< Results >



Revision in Oct, 2012

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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