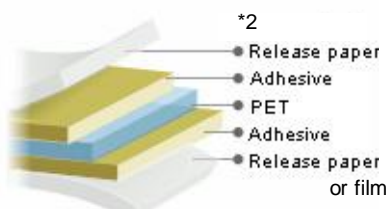


# PET carrier type double coated tapes G9050 series

## Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- Excellent adhesive quality (heat resistance and weather resistance) for wide ranging applications.
- Excellent holding power even at elevated temperature.
- PET carriers for excellent handling and punching process.

## Structure



|                                      |                 |                    |                         |                    |                        |
|--------------------------------------|-----------------|--------------------|-------------------------|--------------------|------------------------|
| Product name                         | G9051           | G9052              | G9052W *2               | G9050              | G9050W *2              |
| Main component                       | Acrylic         | Acrylic            | Acrylic                 | Acrylic            | Acrylic                |
| Carrier (μm)                         | PET<br>About 12 | PET<br>About 25    | PET<br>About 25         | PET<br>About 100   | PET<br>About 100       |
| Color                                | Transparent     | Transparent        | Transparent             | Transparent        | Transparent            |
| Adhesive thickness (μm)              | About 50        | About 85           | About 85                | About 170          | About 170              |
| Release paper or film thickness (μm) | PET<br>About 50 | Paper<br>About 150 | Paper<br>About 115 +120 | Paper<br>About 150 | Paper<br>About 150+120 |
| Bonding strength (N/20mm) *3         | 10              | 15                 | 15                      | 17                 | 17                     |
| St'd size (width & length)           | 500mm × 50m     | 500mm × 50m        | 500mm × 50m             | 500mm × 50m        | 500mm × 50m            |

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

\*2 G9052W and G9050W is with both side release paper

\*3 180° peeling strength

## Suitable use

- Ideal for bonding of the cushioning materials such as urethane, fixing the parts inside of LCD modules, and the metal or plastic as the part fixation usage from the computer to the cellular phones.



# Technical data

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

<Test piece condition>

Tape width: 20mm

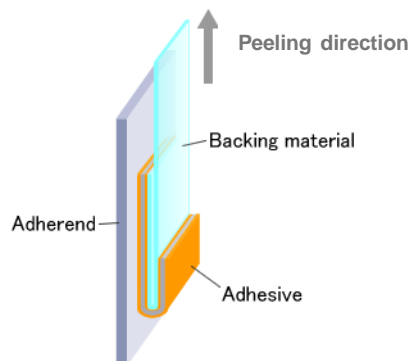
Bonding condition: One stroke with 2-kg roller

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

Peeling speed: 300mm/min

Backing material: 25µmPET

[Left at RT for one hour before measurement]



<180° peeling strength test>

<Results>

(N/20mm)

| Substrate             |       | SUS  | ABS |
|-----------------------|-------|------|-----|
| 180° peeling strength | G9051 | 10.0 | 7.2 |
|                       | G9052 | 15.3 | 7.2 |
|                       | G9050 | 17.1 | 6.6 |

## 2. Holding power at different temperatures

<Test piece condition>

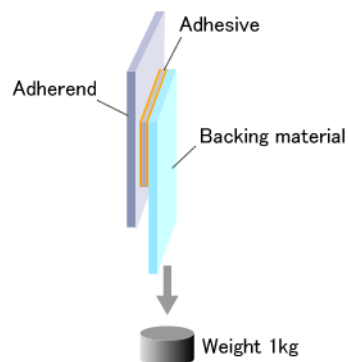
Substrate: Stainless steel plate (SUS304)

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]



<Holding power test>

<Results>

| Measurement temperature |       | 40°C | 80°C |
|-------------------------|-------|------|------|
| Creep length (mm)       | G9051 | 0.2  | 0.2  |
|                         | G9052 | 0.2  | 0.2  |
|                         | G9050 | 0.2  | 0.2  |

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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