

# GA6310

## Outline

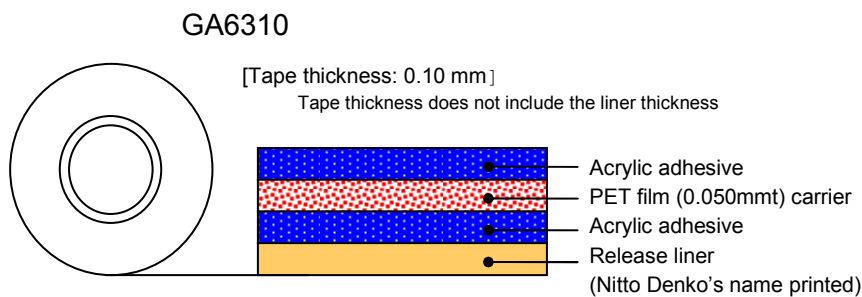
Nitto Denko's GA6310 is a double-coated adhesive tape developed for bonding various components of LPD and LCD.

GA6310 is ideal to adhere to plastic molding, insulation film, nameplates, foam, metal plating and various other types of films.

This tape is optimally designed to offer both superior bonding reliability and component bonding performance.

Nitto Denko GA6310 is developed by Nitto Denko (ShangHai SongJiang) Co. Ltd.,

## Structure



## Features

- Offers great initial tack and bonding.
- Provides superior bonding reliability and component bonding performance for all type of substrates.
- Proves to be highly workable.
- The six hazardous materials restricted by the RoHS directive are not compounded.

## Applications

- Bonding of LPD ,LCD and other various components
- Bonding display nameplates and other such applications where bonding is needed.

## Sizes

Tape thickness (mm)	Width (mm)	Standard Length(m)
0.10	5-1200	50

Other sizes may be available. Please contact us for details.



●180 degree peeling adhesive strength - Substrates listed below

Substrate	GA6310
Stainless steel plate	14
Aluminum plate	13
Polypropylene plate	10
ABS plate	13
Acrylic plate	14
Polystyrene plate	13
Polycarbonate plate	14
Polyester film	14

(Unit: N/20mm)

Backing: PET#25

Pressure condition: 1 pass back and forth  
with 2-kg roller at 23 deg.C/50%RH

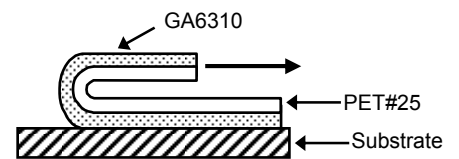
Application time: 30min

Peeling speed: 300mm/min

Peeling angle: 180 degree

Measurement condition: 23 deg.C/50%RH

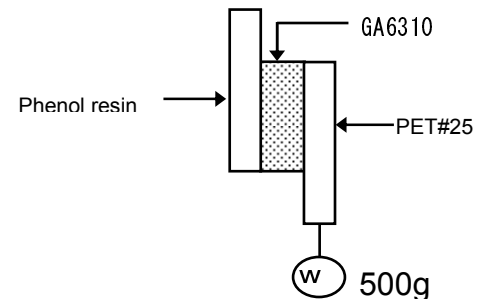
<Test method>



●Holding power

Temperature	GA6310
40 degree C	0.6
60 degree C	0.8
80 degree C	1.0

<Test method>



(Unit : mm/hr)

Sample size: 10mm x 20mm with PET#25 backing

Substrate: Phenol resin plate

Pressure condition: 1 pass back and forth with 5-kg roller at 23 deg.C/50%RH

Application time: 30min at measurement temperature

Measurement temperature: 40, 60, 80deg.C

Loading: 4.9N (500g)

Measurement time: 1h

● Shearing strength - Substrates listed below

Substrate	GA6310
Stainless steel plate	500
Aluminum plate	600
ABS plate	400
Polypropylene plate	400
Polystyrene plate	350

(Unit: N/20mmx20mm)

Sample size: 20mm x 20mm

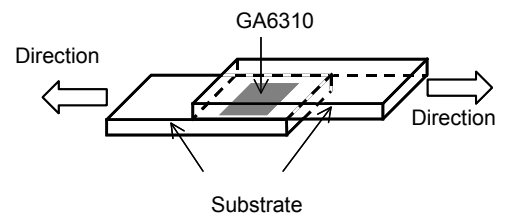
Pressure condition: 1 pass back and forth with 5-kg roller

Application condition: 23 deg.C/50%RH

Application time: 30min at 23 deg.C/50%R

Shearing speed: 50mm/min

Measurement condition: 23 deg.C/50%RH



● 180 degree peeling adhesive strength - for storage condition

保存条件		GA6310
初期 (23°C/50%RHX30min)		14
-30 deg. c	30 天	15
	1 天	20
80 deg. c	7 天	28
	14 天	28
	30 天	31
	14 天	26
40 deg. c/92%RH	30 天	30
	30 天	29
60°C/90%RH		29
Heat Cycle*1		29
Heat Shock*2		26

● 180 degree peeling adhesive strength - Application time

Application condition	GA6310
1min	14
30min	14
1hr	14
4hr	14
8hr	14
24hr	15
72hr	17

(Unit: N/20mm)

Substrate : SUS plate

Baking : PET#25

Sample size: 20mm

Pressure condition: 1 pass back and forth with 2-kg roller at 23 deg. C /50%RH

Peeling speed: 300mm/min

Peeling angle: 180°

Measurement condition: 23°C/50%RH

● 180 degree peeling adhesive strength - Pressure condition

Pressure condition	GA6310
0.1kg roller	9
0.5kg roller	13
2kg roller	14
5kg roller	14

(Unit: N/20mm)

Substrate : SUS plate

Baking : PET#25

Sample size: 20mm

Pressure condition: 1 pass back and forth with 0.1,0.5,2,5-kg roller at 23 deg. C /50%RH

Application time: 30min

Peeling speed: 300mm/min

Peeling angle: 180°

Measurement condition: 23°C/50%RH

### Precautions when using

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- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- The tape employs pressure sensitive adhesive. Be sure to apply pressure with a roller or press when applying. Not enough to do so could affect properties or appearance.
- The tape may not adhere well to significantly uneven or distorted surfaces. Level off the surface as much as possible before applying.
- It takes some time before the tape exhibits its full adhesive strength. Allow the tape to set for several hours before placing in a position or using in a manner that places stress on the tape.

### Precautions when storing

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- Be sure to keep the tape in packaging box when not using.
- Keep in a cool dark place not exposed to sunlight directly.

### Safety precautions

 <b>WARNING</b>
<ul style="list-style-type: none"><li>● Make sure the product is suitable for the application (objective and conditions) before attempting to use.</li><li>● The tape may come off depending on the substrate or conditions under which it is applied.</li><li>● Be sure to use in combination with another method of bonding when used in places that could lead to an accident.</li></ul>

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