

Double-coated adhesive tape

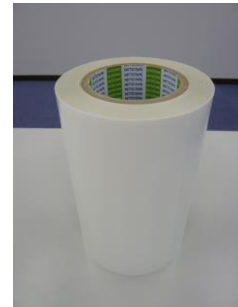
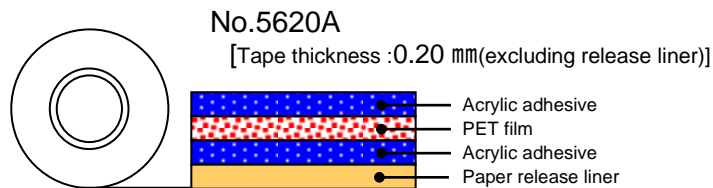
No.5620A

Outline

Nitto Denko No.5620A is a 0.20mm-thick double-coated adhesive tape consisting of acrylic adhesive with polyester carrier.

A release liner of No.5620A is paper so that superior to processing.

Structure



Features

- Excellent initial high adhesion.
- Easy to handle when processing since thick polyester film is used.
- Excellent adhesion to various plastic materials.
- Halogen-free* type. (*Chloride compounds are not used for this product.)
- Ten restricted substances by RoHS are not contained.

Applications

- Fixing of LCD cushioning and film for cellular telephones and digital cameras.
- Applying as spacers inside home appliances.

Sizes

Tape thickness (mm)	Width (mm)	Length (m)
0.20	10-1200	100 (1200mmW : 50M)

For more information, please contact us.

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Properties

● 180 degree peeling adhesion for each substrate

Substrate	No.5620A
Stainless steel plate	20.0
Aluminum plate	21.5
ABS plate	19.0
Acrylic plate	19.5
Polystyrene plate	22.0
PC plate	21.0
PET plate	21.0
PP plate	15.5

(Unit: N/20 mm)

Tape area: 20mm width

Lining material: PET#25

Pressing condition:

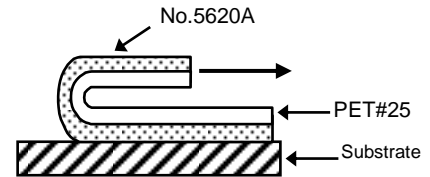
1 pass back and forth with 2-kg roller
at 23 degree C/50%RH

Applying condition : 23 degree C/50%RH x 30min

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement temperature: 23 degree C/50%RH



● 180 degree peeling strength for each temperature

Temperature	No.5620A
10 degree C	30.5
23 degree C	20.0
40 degree C	19.0
80 degree C	20.5

(Unit: N/20 mm)

Substrate: Stainless steel plate

Tape area: 20mm width

Lining material: PET#25

Pressing condition:

1 pass back and forth with 2-kg roller
at each temperature

Applying condition: Each temperature for 30min

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement temperature:

0 degree C, 23 degree C, 40 degree C, 80 degree C

● 180 degree peeling strength for each pressure

Pressure	No.5620A
0.1 kg roller	17.5
0.5 kg roller	18.0
2 kg roller	20.0
5 kg roller	21.5

(Unit: N/20 mm)

Substrate: Stainless steel plate

Lining material: PET#25

Pressing condition:

1 pass back and forth with 0.1kg, 0.5kg, 2kg, 5kg
at 23 degree C/50%RH

Applying condition: Each temperature for x 30min

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement temperature: 23 degree C/50%RH

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Properties

● Holding power

Measurement temperature	No.5620A
23 degree C	0.7
40 degree C	0.8
60 degree C	1.3
80 degree C	1.7

(Unit : mm/hr)

Substrate: Phenol resin plate

Applying condition:

Measurement temperature x 30min

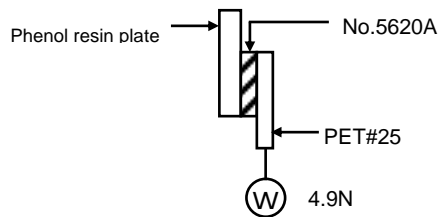
Measurement temperature:

23 degree C, 40 degree C, 60 degree C,
80 degree C

Tape area: 20mm x 10mm

Load: 4.9N(500g)

Load time: 1 h



● Shearing adhesive strength

Substrate	No.5620A
Stainless steel plate	480
Aluminum plate	535
ABS plate	370
Acrylic plate	475
Polystyrene plate	390
PC plate	370
PET plate	370
PP plate	335

(Unit: N/20mmx 20mm)

Tape area: 20mm x 20mm

Pressing condition:

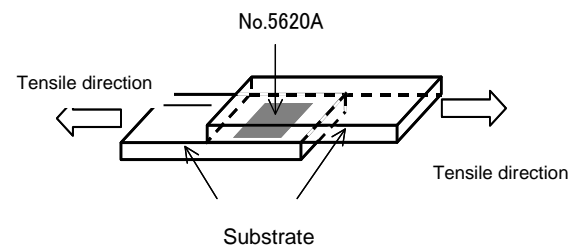
1 pass back and forth with

5-kg roller at 23 degree C/50%RH

Measurement temperature :

23 degree C/50%RH x 30min

Peeling speed: 50mm/min



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Properties

- 180 degree peeling adhesion -Aging(durability) at each condition after applying

Condition		No.5620A
Initial (23 degree C/50%RH x30min)		20.0
-30 degree C x 30 days		23.0
70 degree C	1 day	27.5
	7 days	28.6
	14 days	29.8
	30 days	30.6
40 degree C 92%RH	14 days	25.7
	30 days	25.8
60 degree C/90%RH x 30days		23.0
Heat Shock [100cycles] *1		31.2
Heat Shock [40cycles]*2		33.4

(Unit: N/20 mm)

Substrate: Stainless steel plate

Lining material: PET#25

Pressing condition:

1 pass back and forth with 2-kg roller
at 23 degree C/50%RH

Applying condition: Refer to the left fig.

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement temperature: 23 degree C/50%RH

*1: Heat shock condition

[-40 degree C x 30min <-> 90 degree C x 30min]
x 100 cycles

*2: Heat shock condition

[-20 degree C x 6hr->(1hr)->60 degree C/95%
RHx6hr-> (1hr->)] x 40 cycles

- 180 degree peeling strength after application -Aging after application-

Aging after application	No. 5620A
30 min later (Initial)	20.0
4 hrs later	23.4
12 hrs later	25.0
24 hrs later	26.7
48 hrs later	28.3
72 hrs later	28.5

(Unit: N/20 mm)

Substrate: Stainless steel plate

Lining material: PET#25

Pressing condition:

1 pass back and forth with 2-kg roller
at 23 degree C/50%RH

Applying condition: 23 degree C/50%RH x 30min, 4hrs,
12hrs, 24hrs, 48hrs, 72hrs

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement temperature: 23 degree C/50%RH

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Precautions when using

- 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. Failure 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.
- Avoid setting or using such that significant stress is placed on the tape for several hours after application.

Precautions when storing

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

Safety precautions

WARNING
<ul style="list-style-type: none">● Make sure the product is suitable for the application (objective and conditions) before attempting to use. The tape may come off depending on the substrate to or conditions under which it is applied.● Use in combination with another method of joining if there is possibility of an accident.

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No. 5620A 10-P-0181_E (5/5)

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