

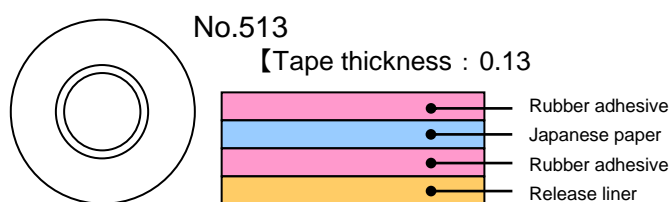
Double coated tape for fixing of metal and rubber printing plate.

No.513

Outline

Nitto Denko No.513 is double-coated adhesive tape for fixing of printing plate such as metal and rubber. It has an excellent adhesion to cylinder as well as rubber plate. The tape is clean removal from plate by using Japanese paper.

Structure



Features

- Adheres to metal and rubber plate firmly.
- Superior working performance, easy application and easy removal.
- High strength of Japanese paper makes a clear removal without tearing.
- The ten hazardous materials restricted by the RoHS directive are not compounded.

Application

- Fixing of metal and rubber printing plate

Standards Size

Tape thickness (mm)	Widths (mm)	Length (m)
0.13	4 ~ 1,200	30

For more information, please contact us.

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Properties

● 180° peeling adhesion by substrate

Substrates	No.513
Stainless steel plate	8.3
Zinc plate	8.5
Natural rubber plate	8.1
Synthetic gas plate	9.0

(Unit: N/20mm)

Substrates: Stainless steel plate, Zinc plate,
Natural rubber plate, Synthetic gas plate

Backing: PET#25

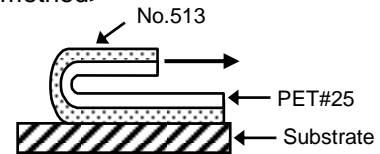
Peeling speed: 250mm/min

Peeling angle: 180°

Measurement condition: 23°C, 50%RH

Application condition: 1 pass back and forth with 2-kg roller
after allowing it to set 30 minutes.

<Test method>



[Conforms to JIS Z-0237]

● 180° peeling adhesion by temperature

Temperature	No.513
0 °C	8.9
23 °C	8.3
40 °C	7.5

(Unit: N/20mm)

Substrate: Stainless steel plate

Backing: PET#25

Peeling speed: 250mm/min

Peeling angle: 180°

Measurement temperature: 0°C, 23°C, 40°C

Application condition: 1 pass back and forth with 2-kg roller
Measurement under various temperatures
after allowing it set to set 30 minutes.

● Shear strength

Substrates	No.513
Zinc plate / Zinc plate	70
Rubber plate / Rubber plate	40

(Unit: N/cm²)

Substrates: Zinc plate / Zinc plate, Rubber plate / Rubber plate

Tape area: 20mm x 20mm

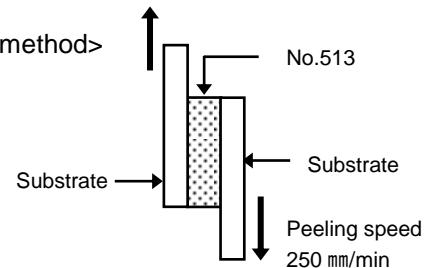
Measurement condition: 23°C, 50%RH

Peeling speed: 250mm/min

Application condition:

* Leave it for 24hours and measured shear strength
1 pass back and forth with 2-kg roller

<Test method>



● Holding power

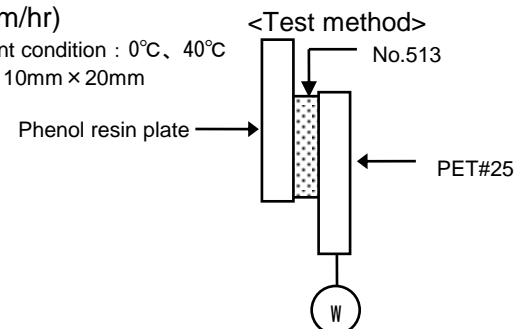
Measured Temperature	No.513
0 °C	0
40 °C	0.3

(Unit : mm/hr)

Measurement condition : 0°C, 40°C

Tape area : 10mm x 20mm

Load : 4.9N



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Precautions when using

- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- Since the tape is pressure-sensitive adhesive, be sure to apply enough pressure with a roller or press when applying. Otherwise it might be affected to its properties and appearance.
- The tape may not adhere well to extremely uneven or distorted surfaces. Enough Leveling off the surface should be required before applying.
- It takes certain time to get full adhesive strength after applying, keep away the tape from any stress for a several hours after applying.

Precautions when storing

- Please be sure to keep the tape in its box when not using.
- Please keep in a cool and dark place away from direct sunlight.

Safety precautions

- | |
|---|
| <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 which it is applied 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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Published in March 2019

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