# NITTO DENKO

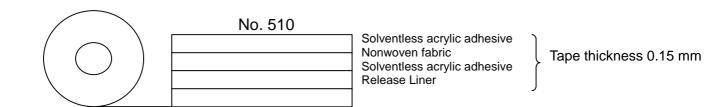
TECHNICAL DATA SHEET

## Double-coated adhesive tape No. 510

#### 1. Description

NITTO DENKO's double-coated adhesive tape No. 510, of has wide range of use. Features handiness and less odor.

#### 2. Product Structure



#### 3. Features

- 1) Less odor
  - Odors will not annoy you while working in a closed area.
- 2) Fine adhesion to many adherends Excellent in adhering wide variety of adherends: paper, plastic, metal, etc.
- 3) Outstanding handiness and also splendid appearance Using release Liner easy to peel with good dimensional stability.

#### 4. Applications

- 1) Fixing nameplates
- 2) Fixing plastic display boards
- 3) General use (adhering paper, film, etc.)

#### **<u>5. Standard Size</u>** (Contact our sales representative for details)

Standard size	Width (mm)	10, 15, 20, 25, 50, 400
	Length (m)	20, 50

#### 6. Characteristics

Adhesion characteristics (180 ° peel adhesion by adherends)

Unit: N/20 mm

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	No. 510
Stainless	12.0
ABS	10.0
PP	10.0
PSt	12.8
Acryl	12.9

- \* Measuring conditions: Backed with PET#25, 23 , tensile speed of 300 mm/min and tensile direction of 180 °. (Measured in conformity to JIS Z0237)
- 180 ° peel adhesion (to stainless) with temperature variation

Unit: N/20 mm

	No. 510
0	12.8
23	12.0
40	10.0
80	8.6

- \* Measuring conditions: Backed with PET#25, tensile speed of 300 mm/min and tensile direction of 180 ° Peel adhesion was measured after the tapes were applied under the temperature above.
- Adhesion (Holding characteristic)

Unit: mm

	No. 510
40	0.3

\* Measuring conditions: Applied to phenolic resin plate, 10 mm x 20 mm and load of 4.9N; slippage distance measured 1 hour later.

#### 7. Precautions for use

- 1. Completely remove oil, moisture, dust, etc. on the adherend surface.
- 2. This product is a pressure sensitive adhesive tape. Use a roller or a press to apply properly. If not, its characteristics or appearance may be affected.
- 3. It may not adhere properly to irregular surfaces or objects with large distortion. Try to smoothen as much as possible.
- 4. It takes a little time for the tape to show its original adhesion. Do not use or place it in a way excessive load would be applied to the tape for at least few hours after attaching.

#### 8. Storage

- 1. Be sure to keep it in a box.
- 2. Store it away from direct sunlight, in a cool, dark area.

#### 9. Safety

### **WARNING**

- Before use, make sure this product meets your need (objective, condition).
- When using at a potentially hazardous area, combine with other adhering method.

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The numbers in this data sheet are typical measurements and are not guaranteed values.