

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.)

5. Standard Size (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

| | 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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