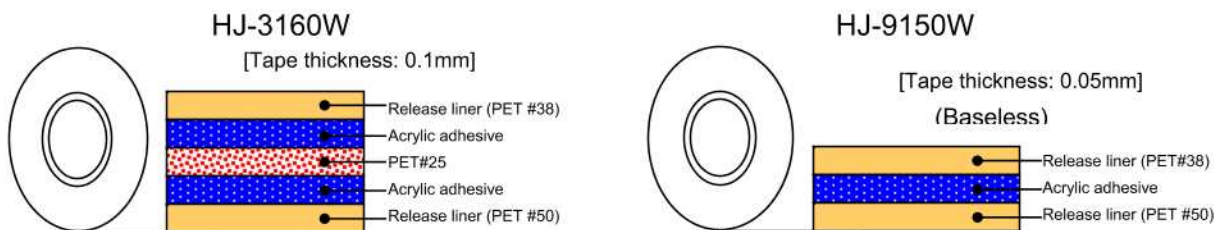


HJ-3160W · HJ-9150W

Outline

Nitto Denko HJ-3160W and HJ-9150W are double-coated adhesive tape with superior heat resistance. HJ-3160W employs a PET base and HJ-9150W does not employ a base.

Structure



Features

- High transparency and weather resistance
- Minimal volatile gas
- Strong adherence
- High heat resistance
- High processing and work properties
- The six hazardous materials restricted by the RoHS directive are not compounded.

Applications

- Glass binding
- Liquid crystal fixing
- Electronic component fixing

Sizes

Product No.	Tape thickness (mm)	Width (mm)	Length (M)
HJ-3160W	0.1	20-500	50
HJ-9150W	0.05	20-500	50

For details contact the department in charge of the product in question.

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Properties

● Transparency

	HJ-3160W	HJ-9150W	(Blank) Slide glass only
Total light transmittance*	92.0	92.5	91.8
Haze*	1.2	0.5	0.2

(Unit: %)

*Slide glass binding measurement

● 180° peeling adhesive strength for each substrate

Substrate	HJ-3160W	HJ-9150W
Acrylic plate	11.3	11.3
Glass plate	14.7	9.8
Polycarbonate plate	11.3	7.9
PET film	10.3	7.4
Stainless steel plate	14.2	10.8
Aluminum plate	11.8	8.3

(Unit: N/20mm)

Lining material: PET #25

Measurement temperature:

23 degree C, 50% RH

Peeling speed: 300 mm/min

Peeled at 180 degree angle

● Shearing adhesive strength

	HJ-3160W	HJ-9150W
Shearing adhesive strength	196	353

(Unit: N/cm²)

Tape area: 15 mm x 15 mm

Substrate: Aluminum/aluminum

Measurement temperature:

23 degree C, 50% RH

Peeling speed: 50mm/min

● Shearing holding performance

	HJ-3160W	HJ-9150W
Shearing holding (80°C displacement)	0.2	0.1

(Unit: mm)

Tape area: 15 mm x 15 mm

Substrate: Aluminum/aluminum

Load: 4.9 N

80 degree C, displacement after

● Weather resistance

Conditions		HJ-3160W	HJ-9150W
Sunshine weather meter	1000 h	No change	No change
	3000 h	No change	No change
80°C, 90% RH	500 h	No change	No change
	1000 h	No change	No change

(Sunshine weather meter)

*PET separator placed between tapes and then a sunshine weather meter is introduced. The meter is then removed and evaluated by observing with the naked eye (80 degree C, 90% RH).

*Various tapes are applied to glass slides and placed in an 80 degree C, 90% RH atmosphere. The slides are subsequently removed and evaluated by observing with the naked eye.

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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

 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 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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