

Double-coated adhesive tape with Halal Certification

HL-519

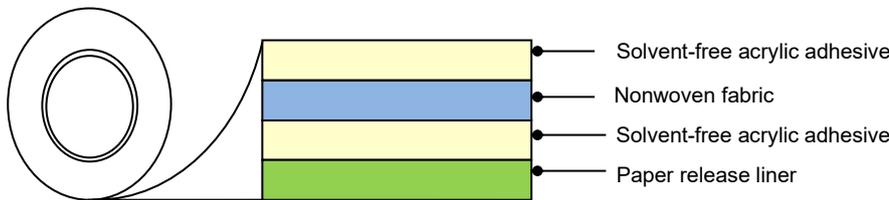


General Description

Nitto HL-519 is a Halal-certified double-coated adhesive tape that uses solvent-free acrylic adhesive to reduce the amount of VOC emitted and fit for Muslim consumption anywhere in the world.

The tape is designed to offer firm bonding and user friendliness. HL-519 double-coated adhesive tape can be used on a wide variety of substrates including plastics as well as foam materials.

Structure



*White paper release liner without printing

Features

- Double-coated adhesive tape emits minimal volatile organic compounds (VOC)
- Adheres well to substrates such as foam materials, metal and plastics
- Uses nonwoven fabric base so it follows the contour of the substrate
- Ten restricted substances by RoHS are not contained
- Halal certified by American Halal Foundation (AHF)

Applications

- Bonding and fixing of foam materials
- Fixing of plastic materials
- Bonding for films or paper

Size

For more details, please kindly contact our sales team.

Thickness [mm]	Width [mm]	Length [mm]
0.09	10 - 1030	50, 100

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Technical Properties
● General properties

Properties		Unit	HL-519
Tape thickness		mm	0.09
180° peeling adhesive strength	Side 1	N/20mm	9.4
	Side 2		11.5
Holding strength (Displacement)	Side 1	mm	0.3
	Side 2		0.4
Liner peel-strength		N/50mm	0.20

Measurement method:

1. Tape thickness: dial gauge.
2. 180° Adhesive strength: Measured with tensile tester. Pulling in 180°, tensile speed: 300mm/min at 23°C/50%RH
3. Holding power: Use the phenolic resin plate as a substrate. Apply a load of 4.9N to the substrate (10x20mm bonding area). After an hour at 23 °C, slippage is measured.
4. Liner peel strength: Measure with tensile tester, pulling in 180°, tensile speed 300mm/min at 23°C/50%RH

● VOC emission measurement values

Measurement material	Guideline values [µg/m ³]	Emission rate [µg/m ² .h]
Formaldehyde	100	ND
Toluene	260	ND
Xylene	200	ND
Paradichlorobenzene	240	ND
Ethylbenzene	3800	ND
Styrene	220	ND
Chlorpyrifos	1	ND
Dibutyl phthalate	17	ND
Tetradecane	330	ND
Di(2-ethylhexyl) phthalate	100	ND
Diazinon	0.29	ND
Nonanal	41	ND
Acetaldehyde	48	ND
Fenobucarb	33	ND

<Sample preparation & Analysis method>
Method conformable to JIS A 1901 &
1904:2015

*ND = Non-detected, means the test result is lower than guideline/ detection limit value.

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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

- 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.

Established in September 2021
Revision 02, 4th October 2024

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