

Adhesive transfer tape

# No.591

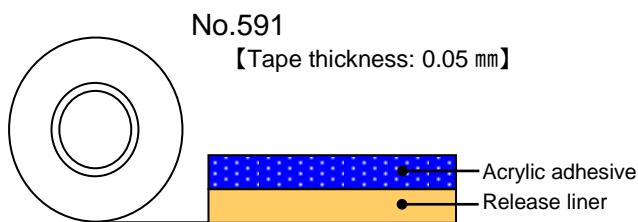
## Outline

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Nitto Denko No.591 is 0.05mm thick adhesive transfer with acrylic adhesive for bonding of various plastics such as nameplate.

## Structure

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## Features

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- Base-less and uniform adhesive layer can minimize burr and oozing at punching nameplate.
- Excellent adhesion to plastics.
- The ten hazardous materials restricted by the RoHS directive are not compounded.

## Applications

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- Bonding of metal, plastic and nameplate.
- For general bonding

## Standard Sizes

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Tape thickness (mm)	Widths (mm)	Lengths (M)
0.05	10 ~ 1200	50, 100

For more information, please contact us.

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## Properties

● 180° peeling adhesion by substrates

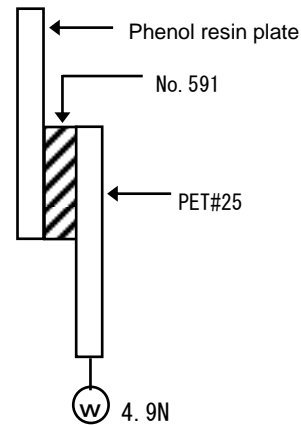
Substrate	No. 591
Stainless steel plate	6.5
Aluminum plate	6.2
ABS plate	6.0
Acrylic plate	6.8
Polyester plate	6.4

(Unit: N/20 mm)  
Peeling speed: 300 mm/min  
Peeling angle: 180°  
Measurement condition: 23°C, 50% RH

● Holding power

Substrate	No. 591
Phenol resin plate	0.4

(Unit: mm/hr)  
Application area: 10 mm x 20 mm  
Backing: PET#25  
Load: 4.9N  
Measurement temperature: 40°C



● Shear strength

Substrate	No. 591
Stainless steel plate / Stainless steel plate	420

(Unit: N/20 mm x20 mm)  
Substrate: Stainless steel plate / Stainless steel plate  
Application area: 20 mm x 20 mm  
Measurement condition: 23°C, 50% RH  
Peeling speed: 50 mm/min

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## Precautions when using

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- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- The tape employs pressure-sensitive adhesive. Be sure to apply pressure with a roller or press when applying. Failure to do so could affect properties or appearance.
- The tape may not adhere well to significantly uneven or distorted surfaces. Level off the surface as much as possible before applying.
- Because it is very thin, you should avoid applying large loads for at least several hours following application.

## Precautions when storing

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- Be sure to keep the tape in its box when not using.
- Keep in a cool dark place not exposed to direct sunlight.

## Safety precautions

	<b>WARNING</b>
<ul style="list-style-type: none"><li>● 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.</li><li>● Use in combination with another method of joining if there is possibility of an accident.</li></ul>	

Published in March 2019

No. 591 10-P-0016\_E (3/3)

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