

Superior adhesive performance transparent acrylic Double-coated adhesive tape

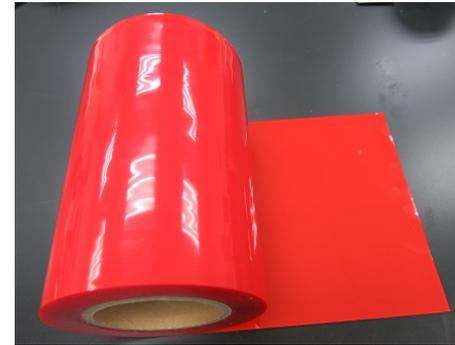
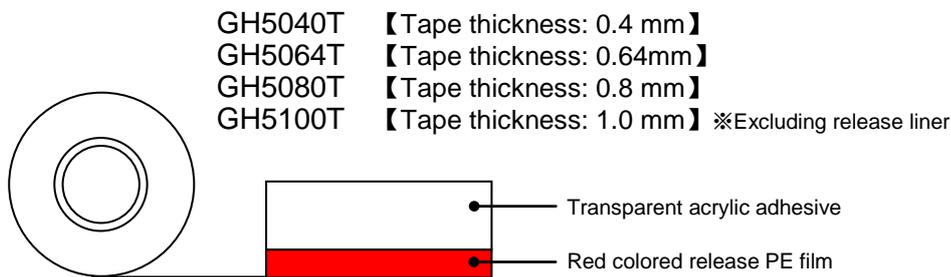
**HYPERJOINT<sup>®</sup>**

**GH5040T, GH5064T, GH5080T, GH5100T**

## Outline

**HYPERJOINT<sup>®</sup>** GH5040T, GH5064T, GH5080T and GH5100T are transparent double-coated adhesive tapes that have superior adhesion, heat resistance and durability using by flexible acrylic adhesive.

## Structure



## Features

- Transparent.
- Superior adhesion, heat resistance and water resistance.
- Stable adhesion with following substrate move using by flexible acrylic adhesive.
- 6 restricted substances by RoHS are not contained.

## Applications

- Fixing on nameplates, sign board and construction materials.
- Fixing on metal and plastic nameplates.

## Standard Size

Item	Thickness [mm]	Width [mm]	Standard length [M]
GH5040T	0.4	5~900	20
GH5064T	0.64	5~900	20
GH5080T	0.8	5~900	20
GH5100T	1.0	5~900	20

For more information, please contact us.

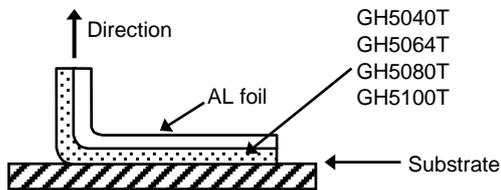
GH5040T, GH5064T, GH5080T, GH5100T 10-P-0360\_E (1/4)

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## Properties

### ● 90°peeling adhesion —for various substrates—

Substrate	GH5040T	GH5064T	GH5080T	GH5100T
SUS plate	43	50	56	58
Acrylic plate	35	37	41	44
ABS plate	38	43	53	56
Polycarbonate plate	35	38	40	45
Polystyrene plate	35	36	41	42



(Unit: N/25mm)

Backing: Aluminum foil (0.13mm thickness)

Application time: 23°C/50%RH×30 min

Peeling speed: 300mm/min

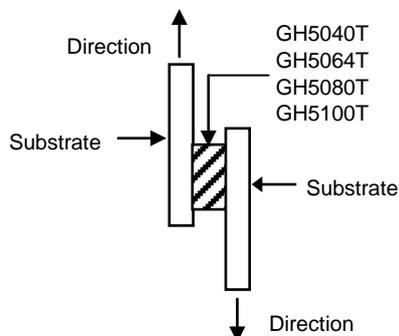
Peeling angle: 90°

Application condition: 1 pass back and forth with 5kg roller at 23°C/50%RH

Measurement condition: 23°C/50%RH

### ● Shear strength —for various substrate—

Substrate	GH5040T	GH5064T	GH5080T	GH5100T
SUS	65	65	60	55
Acrylic plate	45	35	35	35
ABS plate	55	55	55	50
Polycarbonate plate	55	50	40	35
Polystyrene plate	45	40	35	35



(Unit: N/cm<sup>2</sup>)

Shearing speed: 50mm/min

Sample size: 20mm×20mm

Press condition: 1 pass back and forth with 5kg roller at 23°C/50%RH

Application time: 23°C/50%RH×30 min

Measurement condition: 23°C/50%RH

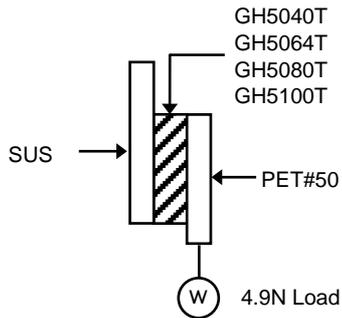
GH5040T, GH5064T, GH5080T, GH5100T 10-P-0360\_E (2/4)

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## Properties

### ● Holding power

Temperature	GH5040T	GH5064T	GH5080T	GH5100T
23°C	0.3	0.3	0.3	0.3
40°C	0.3	0.3	0.3	0.5
60°C	0.4	0.5	0.5	0.7



(Unit: mm)

Substrate: SUS

Press condition: 23°C/50%RH

Application condition: measurement temperature×30 min

Measurement temperature: 23、40、60°C

Tape area: 20mm×10mm

Loading : 4.9N(500g)

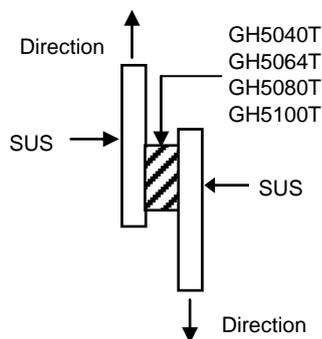
Measurement time: 2 hour

### ● Durability — Shear strength —

Preserved condition	GH5040T	GH5064T	GH5080T	GH5100T
Initial (23°C×30 min)	65	65	60	55
60°C×30 days	160	160	150	150
50°C/90%×30 days	100	80	65	60
Thermal cycle resistance*	100	50	70	60

\*Condition of thermal cycle

[ -20°C×6 hrs ⇒1hr ⇒60°C×95%RH×6 hrs ⇒1hr ] × 40 cycles



(Unit: N/cm<sup>2</sup>)

Substrate: SUS

Shearing speed: 50mm/min

Tape area: 20mm×20mm

Press condition: 1 pass back and forth with 5kg roller at 23°C/50%

Pre-measurement condition: put sample during 24hour at 23°C/50% after preserved condition.

Measurement condition: under 23°C/50%

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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 proper pressure when applying.
- Failure to do so could affect properties and appearance.
- The tape may not adhere well to significantly uneven or distorted surface. Level off the surface as much as possible before applying.
- It takes some time before the tape exhibits its full adhesive strength. Allow the tape to set for several hours before placing in a position or using in a manner that places stress on the tape.

## Precautions when storing

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- Please be sure to keep the tape in its box when not using.
- Please keep it in a cool dark place and 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 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 February 18, 2015

GH5040T, GH5064T, GH5080T, GH5100T 10-P-0360\_E (4/4)

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