

Superior adhesive performance white color acrylic foam Double-coated adhesive tape

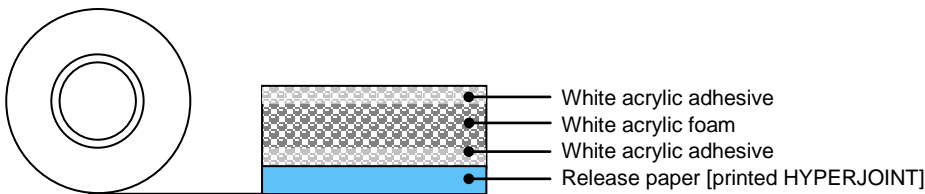
HYPERJOINT[®]

GH5000H series

Outline

HYPERJOINT[®] GH5020H, GH5040H, GH5064H, GH5080H and GH5110H are white color double-coated adhesive tapes that have superior adhesion, heat resistance and durability using by flexible and durable acrylic foam.

Structure



Features

- White color
- Superior adhesion, heat resistance and water resistance.
- Stable adhesion with following substrate move using by flexible acrylic foam.
- 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]
GH5020H	0.2	5~900	20
GH5040H	0.4	5~900	20
GH5064H	0.64	5~900	20
GH5080H	0.8	5~900	20
GH5110H	1.1	5~900	20

For more information, please contact us.

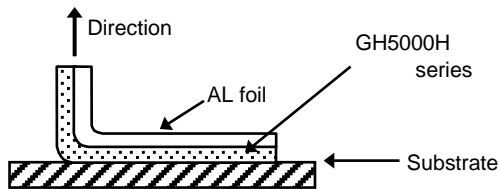
GH5000H series 10-P-0303_E (1/4)

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Properties

● 90°peeling adhesion —for various substrates—

Substrate	GH5020H	GH5040H	GH5064H	GH5080H	GH5110H
SUS plate	42	57	62	79	90
Acrylic plate	37	52	58	71	90
ABS plate	40	54	61	80	85
Polycarbonate plate	37	50	58	72	80
Polystyrene plate	42	51	57	75	76



(Unit: N/25mm)

Backing: Aluminum foil (0.13mm thickness)

Application time: 23°C×30 min

Peeling speed: 300mm/min

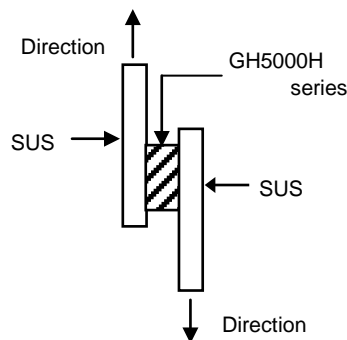
Peeling angle: 90°

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	GH5020H	GH5040H	GH5064H	GH5080H	GH5110H
SUS	240	220	200	190	165
Acrylic plate	200	170	170	165	135
ABS plate	200	170	165	140	135
Polycarbonate plate	190	175	170	160	130
Polystyrene plate	180	155	150	150	125



(Unit: N/cm²)

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

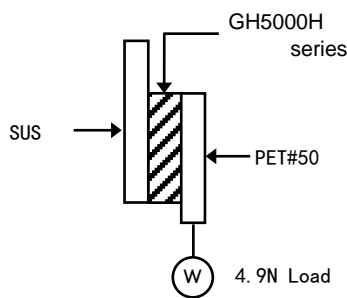
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Properties

● Holding power

Temperature	GH5020H	GH5040H	GH5064H	GH5080H	GH5110H
23°C	0.2	0.2	0.3	0.3	0.4
40°C	0.3	0.3	0.4	0.5	0.7
60°C	0.3	0.4	0.4	0.5	0.7



(Unit: mm)

Substrate: SUS

Measurement 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)

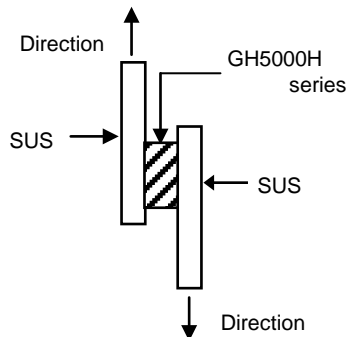
Measurement time: 2 hr

● Durability — Shear strength —

Preserved condition	GH5020H	GH5040H	GH5064H	GH5080H	GH5110H
Initial (23°C×30 min)	240	220	200	190	165
60°C×30 days	300	185	185	145	140
50°C/90%×30 days	210	210	205	185	150
Thermal cycle resistance*	190	180	180	165	140

*Condition of thermal cycle

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



(Unit: N/cm²)

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

- 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

- 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

	<h3>Warning</h3>
<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 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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