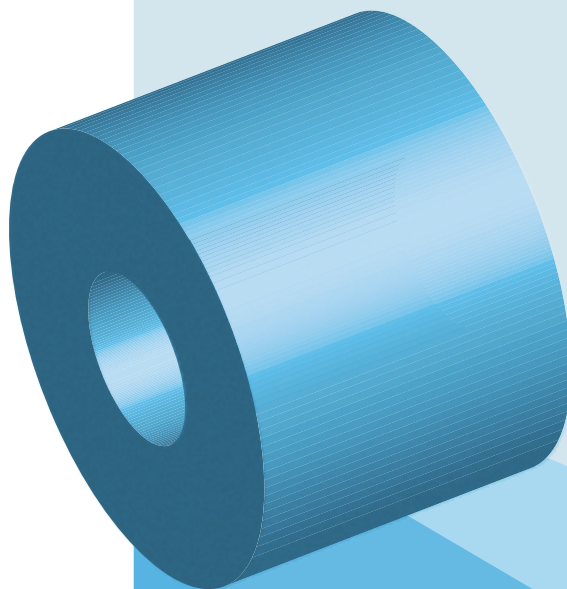




# Industrial Tape

General Brochure





SEKISUI CHEMICAL CO., LTD. first started the production of cellophane tape in 1949, and has been developing and manufacturing adhesive tapes ever since. Today, we provide products for a wide variety of industrial sectors such as the electronics, automotive and housing facilities industries. We call on our extensive lineup and fifty years of quality assurance to meet your needs.

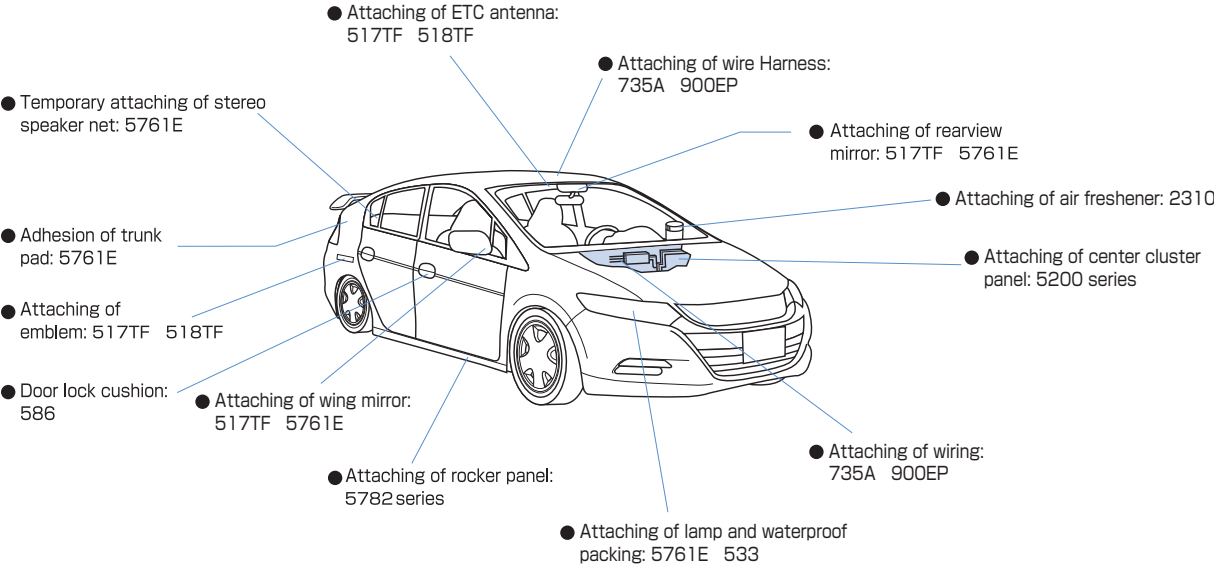
This brochure describes our key products. To inquire about any tape not included in this brochure, please feel free to contact us.

# INDEX

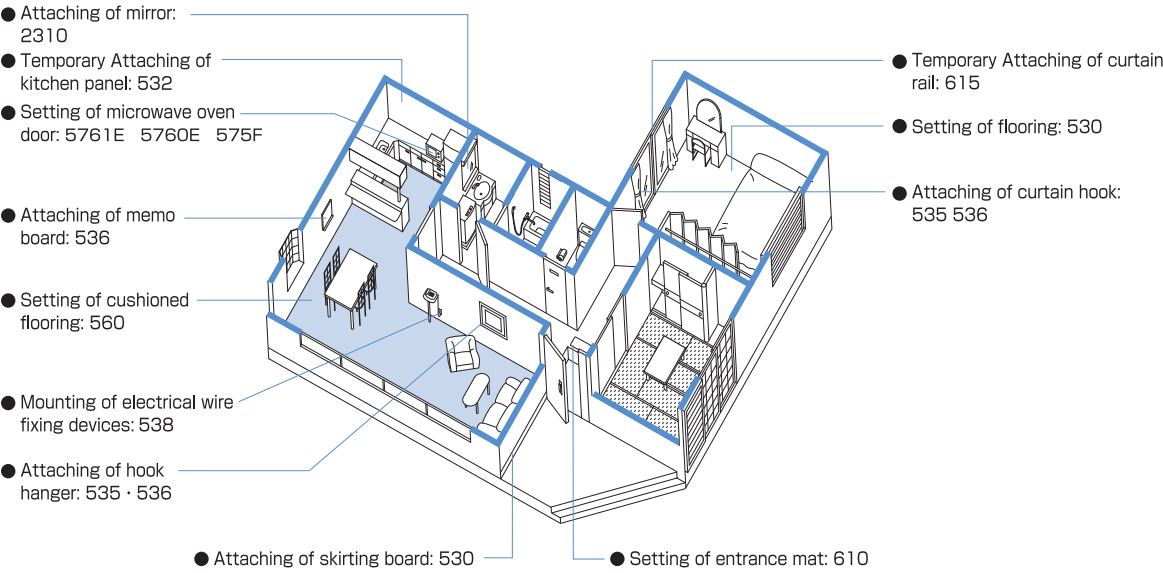
CONTENTS	01
<b>Automotive</b>	
Environmental Conservation	04
Low-smell and Ultra Low-VOC Double-faced Tape 5782LSV	05
Double-faced Tape 5782 for Fixing of Interior Parts	06
Single-faced Tape 735A/900EP for Fixing of Wire Harness - environmentally friendly and with strong adhesion	07
Double-faced Tape 586 for Oily Surface Tacking	08
<b>Housing</b>	
Double-faced Tape 530 with Position Adjustment Function	10
Double-faced Tape 532 - for Use with a Bonding Agent	11
Acrylic Waterproof Double-faced Adhesive Tape 5600 / Acrylic Waterproof Single-faced Adhesive Tape 7300	12
<b>Other tapes</b>	
Double-faced Adhesive Tape	14
Building Curing Tape	15
Electrical Insulation Tape	16
Printing Process Tape	16
Aluminum Tape	16
Evaluation Method for Adhesive Tape Characteristics	17

## AUTOMOTIVE & HOUSING

### Application examples in the automotive field



### Application examples in the field of building materials, electrical appliances, and miscellaneous goods





# Environmental Conservation - efforts of various industrial sectors toward low VOC emission

From 1990s, the indoor air pollution caused by chemical substances, or sick house syndrome, has attracted remarkable attention as a serious problem since it affects the human health. VOCs (volatile organic compounds), which are chemical substances, are regarded as major problem contributors. The Ministry of Health, Labour and Welfare has established the “Committee on Sick House Syndrome: Indoor Air Pollution” to promote activities to take effective measures against VOCs.

Living environment

THE MINISTRY OF HEALTH, LABOUR AND WELFARE's "Committee on Sick House Syndrome: Indoor Air Pollution"

Year of 2000

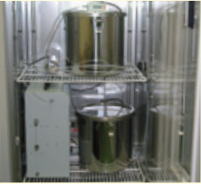
The committee determined the indoor concentration guideline for volatile organic compounds (VOCs) such as formaldehyde, toluene, and xylene.

Year of 2002

An interim report was prepared.

Determination of indoor concentration guideline for thirteen VOCs

Measuring methods for VOCs emitted from building materials, adhesives, and paints are defined in JIS A1901 "Small chamber method"



Small chamber used to measure VOCs

The sick house syndrome introduced into vehicle cabins by VOCs is also regarded as a serious problem. The European countries, including Germany, initiated measures against VOCs from the beginning of 2000. In Japan, Japan Automobile Manufacturers Association, Inc. (JAMA) is promoting the VOC reduction campaign under the slogan of "Fulfillment of a more comfortable cabin environment."

Vehicles in Europe

Germany's automobile manufacturers association, or VDA, prepared its "Analysis method for diffusion of VOCs."

TVOC (= Total VOC)

❑ VDA277 (edition: 1995-01)

· Organic emission tests

· Static headspace (TVOC-determination)

❑ VDA278 (edition: 2002-09)


· Thermodesorption

· Dynamic headspace (VOC, Fog)

Formaldehyde

❑ VDA 275 (edition: 1994-07)

· Formaldehyde emission



GC-MS (measuring machine conforming to VDA 278)

JAMA

JAMA announced "Voluntary activity toward reduction of VOCs in vehicle cabins" in 2005. JAMA news release

❑ By considering the vehicle cabin as a part of our living space, JAMA started the voluntary activity to reduce the thirteen chemical substances specified by THE MINISTRY OF HEALTH, LABOUR AND WELFARE so that they can meet the indoor concentration guideline.

❑ Timing and target vehicles: Passenger vehicles newly sold in and after 2007 (those vehicles produced and sold in Japan)

❑ The VOC level in vehicle cabins should be reduced to meet the guideline. Even after the VOC level meets the requirements, every manufacturer should make efforts to reduce the indoor concentration of VOCs further.

## Role of Sekisui's double-faced tapes

We have been realizing "contribution to environmental conservation" by means of our outstanding technologies. We are making the utmost efforts to propose products that feature less impact to the environment (e.g., 5782LSV double-faced tapes) under the slogan of "creation of products without impacts on either environment or humans".

### ❑ Low-odor and ultra low-VOC double-faced tape 5782LSV

The high-adhesion double-faced adhesive tape **5782LSV** not only meets the guideline for thirteen VOCs specified by THE MINISTRY OF HEALTH, LABOUR AND WELFARE, but also cuts the total VOC (TVOC) by more than 90 % compared to current products. Thanks to its ultra-low VOC emission characteristics, #5782LSV can be applied to European vehicles controlled under strict EU regulations. Since the tape substantially cuts the odor, it will be an optimal material for use in vehicle cabins.

### ❑ Environmentally friendly product lineup

▶ 5782LSV ▶ 5782 ▶ 735A

### Daily VOC emission from 5782LSV in VOC chamber

Substances specified in THE MINISTRY OF HEALTH	LABOUR AND WELFARE guideline (μg/m³)	5782LSV
Formaldehyde	100	7
Acetaldehyde	48	5
Toluene	260	N.D.
Xylene	870	N.D.
Ethylbenzene	3800	N.D.
Styrene	220	6
Tetradecane	330	N.D.
Diethylhexyl phthalate	120	N.D.
Dibutyl phthalate	220	N.D.
Diazinon	0.29	N.D.
Fenobucarb	33	N.D.
p-dichlorobenzene	240	N.D.
Chlorpyrifos	1 (0.1 for infants)	N.D.

\* The measuring method complies with JIS A1901. N.D. = The level is below the detection limit (0.001 μg/m³)

\* Data are only references; they are not guaranteed values.

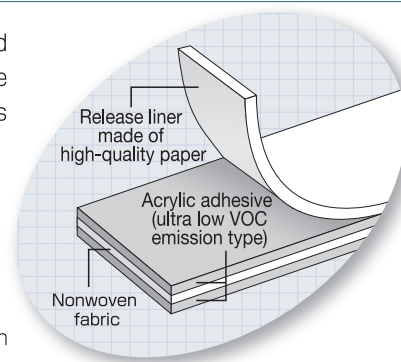
04



## Environmentally friendly tapes

## Low-smell and Ultra Low-VOC Double-faced Tape 5782LSV

Our double-faced adhesive tape 5782LSV has been developed to adhere to molded products made from resin (e.g., polypropylene), as well as polyurethane foams. The tape suppresses the emission of VOCs (volatile organic compounds) and odor as much as possible to fulfill “less impact on both environment and humans”.



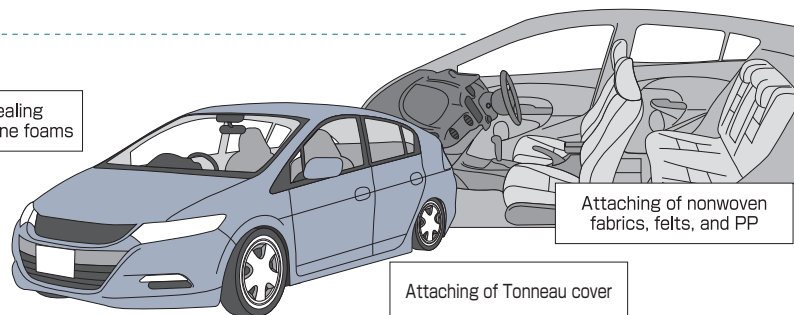
### Advantages

- The VOC emission is substantially reduced, compared to current products.
- The tape minimizes the odor emission and helps create a comfortable environment in confined spaces such as vehicle cabins.
- The tape provides excellent adhesion against adherends made from olefins, such as PP and PE, and urethane foams.
- The tape is free from the thirteen sick house syndrome chemical substances regulated by the Ministry of Health, Labour and Welfare, which are harmful to human bodies.

Thirteen sick house syndrome chemical substances regulated by THE MINISTRY OF HEALTH, LABOUR AND WELFARE  
Formaldehyde, toluene, xylene, chlorpyrifos, p-dichlorobenzene, ethylbenzene, styrene, dibutyl phthalate, diethylhexyl phthalate, tetradecane, diazinon, acetaldehyde, fenobucarb

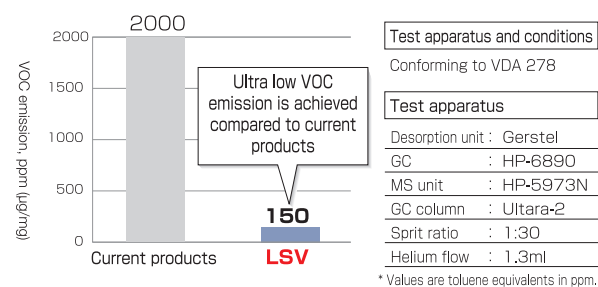
### Applications

Attaching of various sealing materials, including urethane foams

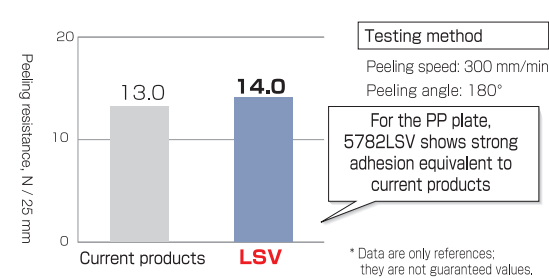


### Characteristics

## ■ VOC emission (under 90°C and 30-minute heating)



## ■ Comparison of 180-degree peeling resistance (PP plate)



Item		Unit	5782LSV	Current product	Measuring conditions
Thickness		μm	135	130	Conforming to JIS Z0237
Adhesion (stainless steel)	23°C	N/25 mm	16.5	16.7	
	-10°C		4.2	3.0	
Adhesion (PP)	0°C		10.0	8.8	
	23°C		14.0	13.0	
Ball tack		1/32"	18	13	Conforming to JIS Z0237 (load: 1 kg)
Holding performance (40°C)		mm	0.2	0.4	
Softening point (PP plate)		°C	150 ↑	132	

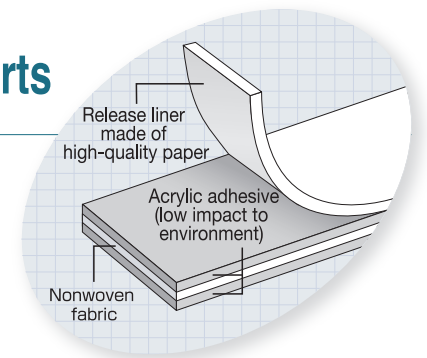
\* According to Sekisui-unique method

\* Data are only references; they are not guaranteed values.

## Long-term seller and environmentally friendly

## Double-faced Tape 5782 for Fixing of Interior Parts

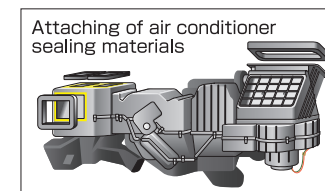
Our double-faced adhesive tape 5782 has been developed to adhere to molded products made from resin (e.g., polypropylene), as well as polyurethane foams. This tape suppresses the emission of VOCs (volatile organic compounds) and odor to fulfill “less impact on both environment and humans”.



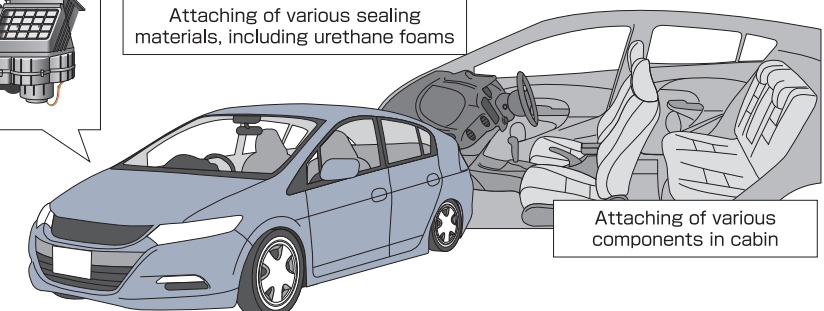
### Advantages

- The VOC emission is substantially reduced compared to current products.
- The tape provides excellent adhesion against adherends made from olefins, such as PP and PE, and urethane foams.
- The tape improves the cold adhesion performance compared to current products.
- The tape is free from the thirteen sick house syndrome chemical substances regulated by the Ministry of Health, Labour and Welfare that are harmful to human bodies.

### Applications

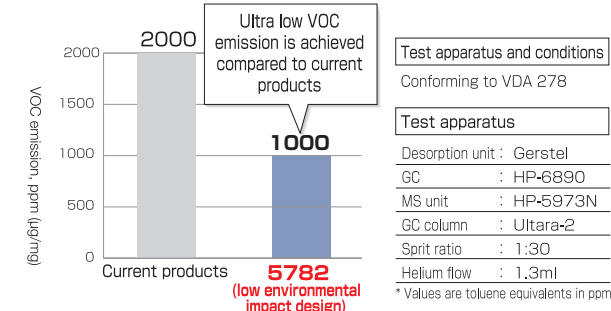


Attaching of various sealing materials, including urethane foams

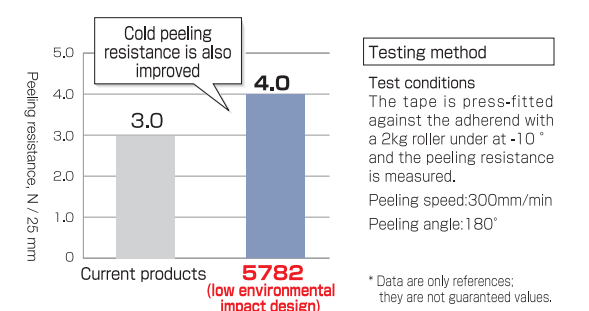


### Characteristics

## ■ VOC emission (under 90°C and 30-minute heating)



## ■ Comparison of -10°C cold peeling resistance (PP plate)



Item		Unit	Low environment impact tape 5782	Current product	Measuring conditions
Thickness		μm	130	130	Conforming to JIS Z 0237
Adhesion (stainless steel)	23°C	N/25 mm	18.6	16.7	
	-10°C		4.0	3.0	
Adhesion (PP)	0°C		10.0	8.8	
	23°C		15.8	13.0	
Ball tack		1/32"	30	13	Conforming to JIS Z 0237 (load: 1 kg)
Holding performance (40°C)		mm	0.2	0.4	
Softening point (PP plate)		°C	150 ↑	132	

\* According to Sekisui-unique method

\* Data are only references; they are not guaranteed values.



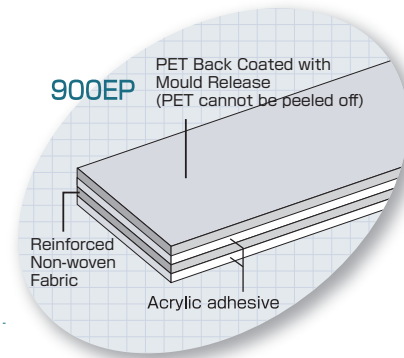
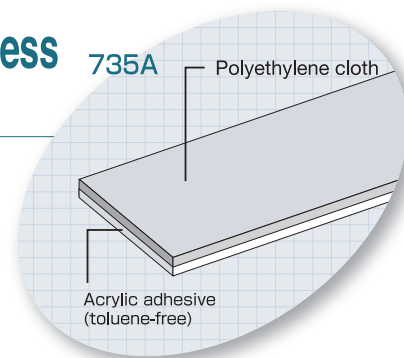
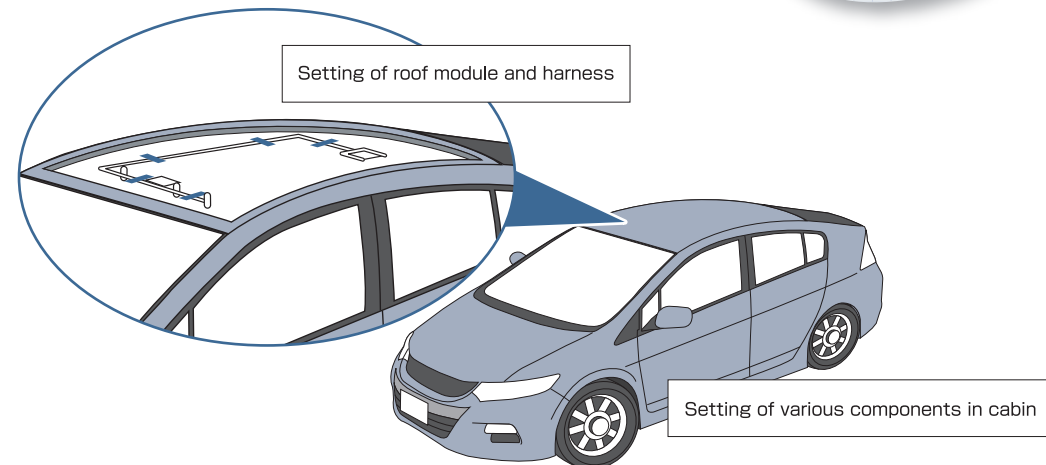
## Single-faced Tape 735A/900EP for Fixing of Wire Harness - environmentally friendly and with strong adhesion

735A is a single-faced adhesive tape composed of toluene-free acrylic adhesive and polystyrene base material, and has strong adhesion and conserves the environment. It even adheres well to olefin adherends.  
900EP is designed for good workability with automatic tape cutter.

### Advantages

- Since a toluene-free acrylic adhesive that is superior in durability and weather resistance is used, the tape is suitable for olefin adherends such as PP and PE.
- The base material is made of polyethylene cloth, offering good cutting by hand and improved workability(735A).
- The tape is free from the thirteen sick house syndrome chemical substances regulated by the Ministry of Health, Labour and Welfare that are harmful to human bodies.

### Applications



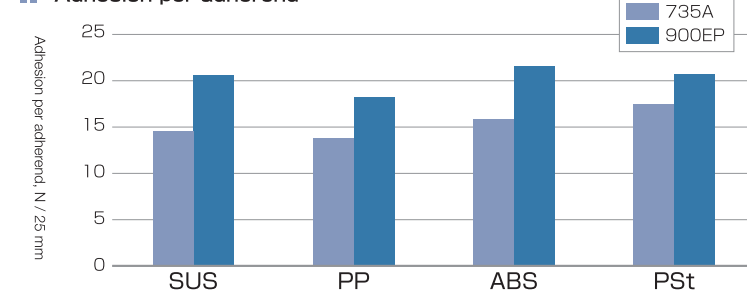
### Characteristics

#### General physical properties

Grade	Base material Adhesive	Standard size			Color	Adhesion N/cm			
		Thickness, mm	Width, mm	Length, m		SUS	PP	ABS	PSt
735A	Polyethylene cloth Acrylic	0.17	50	20	Yellow	14.4	14.1	15.4	17.3
900EP	Polyester+Paper Acrylic	0.2	20	50	Purple	20.6	18.2	21.6	20.7

\* Data are only references; they are not guaranteed values.

#### Adhesion per adherend



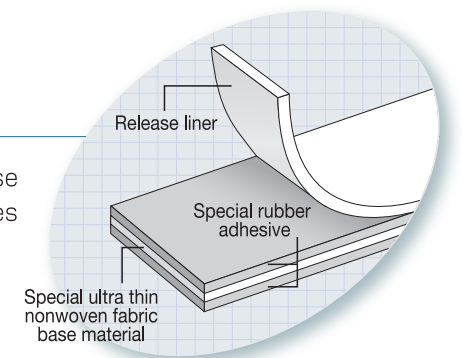
The tape adheres well to even low polarity adherends such as PP.

The tape shows good adhesion for various adherends.

\* Data are only references; they are not guaranteed values.

## Double-faced Tape 586 for Oily Surface Tacking

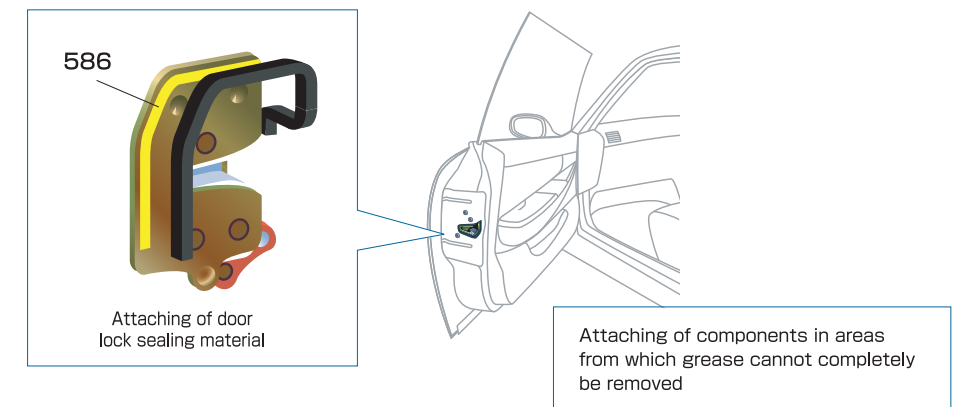
Our 586 is a double-faced adhesive tape made of thin nonwoven fabric base material coated with rubber adhesive to provide a good fit on curved surfaces and improved adhesion to oily surfaces.



### Advantages

- Specially compounded rubber adhesive provides excellent adhesion to oily surfaces.
- The ultra thin nonwoven fabric base material provides an excellent fit on curved surfaces and folded areas.
- 586 is a double-faced tape and can therefore be easily combined with PE sponge (Softron®) and other sealing materials.

### Applications



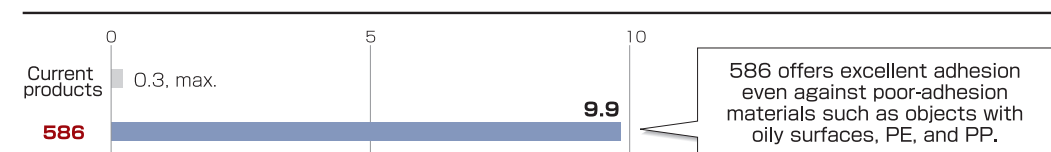
### Characteristics

#### General physical properties

	Item	Unit	586	Current products	Remarks
Construction	Adhesive		Special rubber	Acrylic	
	Thickness	μm	85	128	
Adhesion	Stainless steel	N/25 mm	15.9	15.9	Conforming to JIS Z 0237 (90-degree peeling)
	Aluminum		12.7	14.3	
	Acryl		11.6	18.9	
	PC		14.1	19.7	
	PP		15.2	12.4	
	PE		10.7	6.2	
Oily surface adhesion	Stainless steel	90-degreese peeling resistance, N / 25 mm	11.6	14.3	Apply grease to the adherend and remove it with gauze. Stick the tape onto the adherend to measure the peeling resistance.
	Stainless steel with oily surface		9.9	0.3, max.	

\* Data are only references; they are not guaranteed values.

#### Comparison of adhesion to stainless steel with oily surface (90-degreese peeling resistance, N / 25 mm)

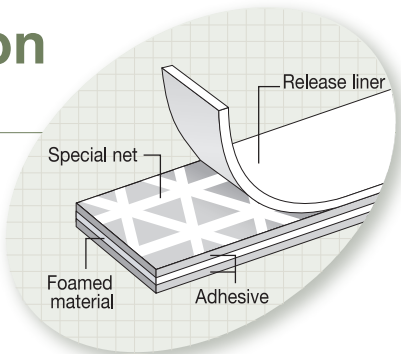


586 offers excellent adhesion even against poor-adhesion materials such as objects with oily surfaces, PE, and PP.



## Double-faced Tape 530 with Position Adjustment Function

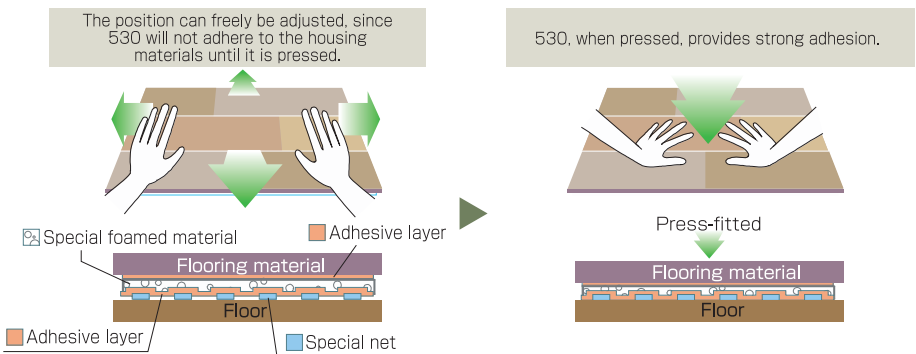
Our 530 is a position-adjustable double-faced adhesive tape that permits dry flooring. The strong adhesive tape constructed based on the combination of special urethane foam and advanced adhesive has an added position adjustment feature that will not provide adhesion until the tape is press-fitted. The new tape offers easier handling compared to current products.



### Advantages

- Our unique special net lamination structure provides easy positional adjustment. The solvent-free design eliminates curing, allowing speedy construction of housing and building materials.
- When the flooring must be removed after the elapse of a long period, it can be removed without adherend contamination.
- The soft base material fits the uneven surface of the adherend well, ensuring a large adhesion area. The tape can therefore stick to rough and slightly uneven surfaces sufficiently. Highly durable acrylic adhesive provides excellent adhesion reliability.
- 530 does not contain organic solvents and formalin, harmful chemicals, as observed on adhesives.

### Applications



### Characteristics

#### Tape size

Thickness	Width	Length
0.8 mm	950 mm	10 m / 20 m

#### General physical properties

Item		Unit	Measurement	Remarks
Adhesion (stainless steel)	Front	N/25 mm	41.0	Conforming to JIS Z 0237 (90-degree peeling)
	Back(net)		11.4	
Ball tack	Front	1/32"	30	JIS Z 0237 (J, DOW)
	Back(net)		-	
Holding performance (stainless steel, 40℃)	Front	mm	0.4	JIS Z 0237
	Back(net)		0.6	
Shear adhesion		N/cm <sup>2</sup>	31.9	* According to Sekisui-unique method

\* Data are only references; they are not guaranteed values.

#### Adhesion per adherend

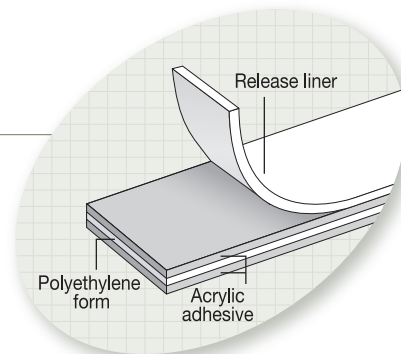
Item		Unit	Measurement	Remarks
Plywood	Front	N/25 mm	61.25	Conforming to JIS Z 0237 (90-degree peeling)
	Back		36.75	
Gypsum board	Front	N/25 mm	15.6	
	Back		12.5	

\* Data are only references; they are not guaranteed values.



## Double-faced Tape 532 - for Use with a Bonding Agent

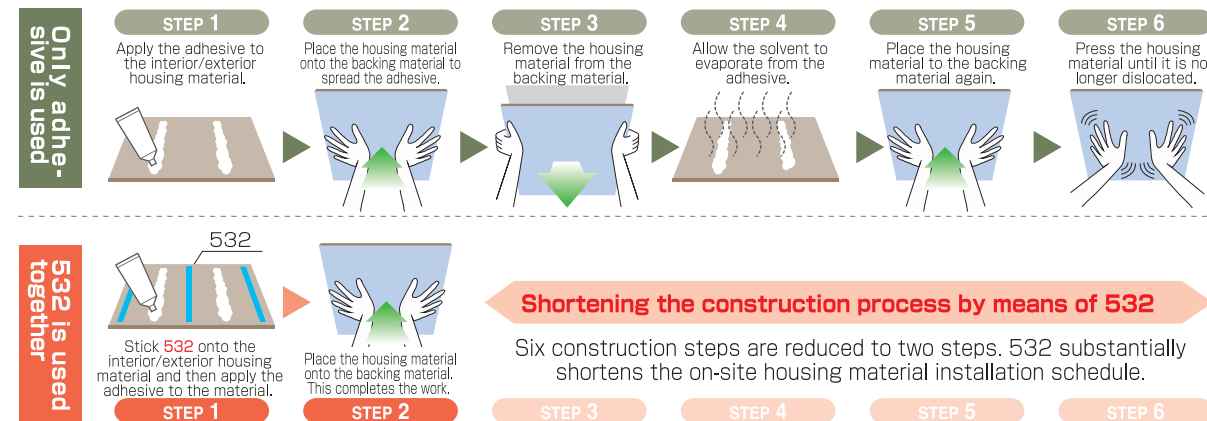
Our double-faced acrylic adhesive tape 532 has been developed to temporarily set decorative boards. The tape adheres well to rough-surfaced or slightly-stained adherends. 532 temporarily holds the adherend until the adhesive used with it is completely dried.



### Advantages

- The tape is superior in initial adhesion and offers excellent adhesion even in cold areas. It also adheres well to rough-surfaced or slightly-stained adherends.
- The tape shortens the construction schedule thanks to low odor emission and good cutting by hand.
- The tape is free from the chemical substances regulated by THE MINISTRY OF HEALTH, LABOUR AND WELFARE's indoor air pollution guideline, such as formaldehyde, toluene, and xylene.

### Applications



### Characteristics

#### Standard size

Thickness	Width	Length	Unit	package No. of packages
1.1 mm	20mm/1040mm	10m/30m	1 rolls (film package)	1 rolls

#### General physical properties

Item	Unit	Measurement	Remarks
Adhesion (stainless steel)	N/25 mm	32.8	JIS Z 0237 (90-degree peeling)
Ball tack	1/32"	over 32	JIS Z 0237 (J, DOW)
Holding performance (stainless steel, 40°C)	mm	0.7	JIS Z 0237

\* Data are only references; they are not guaranteed values.

#### Adhesion to calcium silicate plate (nonflammable decorative board)

Adherend	Unit	Measuring time	Shear adhesion	Split adhesion
Calcium silicate plate / gypsum board	N/cm	Immediately after the adhesion	30	18
		20 minutes later	43	24
		24 hours later	43	26

\* Data are only references; they are not guaranteed values.

## Acrylic Waterproof Double-faced Adhesive Tape 5600 / Acrylic Waterproof Single-faced Adhesive Tape 7300

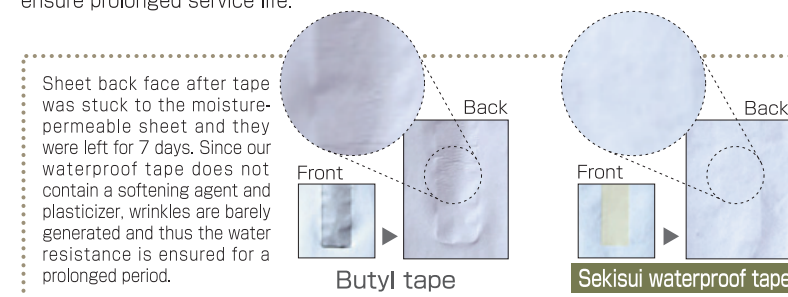
JTC recommended tapes

Waterproof tapes 5600 and 7300 are acrylic adhesive tapes developed to seal housing openings to prevent water entering the house. Compared to current asphalt and butyl rubber adhesive tapes, these new developments offer significantly improved reliability and a contamination-free working environment.

### Advantages



- These tapes offer stable adhesion even under extreme temperature conditions from -10°C to 60°C.
- The tapes are constructed from durable acrylic adhesive and polyethylene cloth base material, ensuring trouble-free prolonged service life.
- On rubberized asphalt and butyl rubber adhesive tapes, it is likely that the softening agent may ooze out of them to affect the moisture-permeable sheet, to induce problems such as swelling. Our acrylic waterproof tapes eliminate these troubles and ensure prolonged service life.



- 5600 and 7300 can be cut by hand easily. Since the acrylic adhesive that features less contamination is used, the tapes will not stain the vicinity of the tape and your hands.
- The tapes are free from those chemical substances regulated by the indoor air pollution guideline of the Ministry of Health, Labour and Welfare, such as formaldehyde, toluene, and xylene.

### Characteristics

#### Tape size

Item	5600			7300		
Thickness mm	0.23			0.17		
Width mm	50	75	100	50	75	100
Length mm	20			20		
Unit package roll	20	16	12	36	27	18

#### General physical properties

Item	Unit	Measurement
Ball tack	Front	1/32"
	Back	20
Adhesion (stainless steel)	Front	N/25 mm
	Back	22
Holding performance (stainless steel, 40°C)	Front	0.9
	Back	0.8
Shear adhesion	N/cm <sup>2</sup>	60

\* Data are only references; they are not guaranteed values.

#### Durability of tape

Item	Unit	Measurement	Initial durability After test (90°C, 50 days)	Remarks
Adhesion	Aluminum	N/25 mm	21.9	18.7
	Moisture-permeable waterproof sheet	N/25 mm	13.8	9.7
Strength of base material	Tensile strength	N/25 mm	168	151

\* Data are only references; they are not guaranteed values.



# Other tapes

Figures in this datasheet are only measurements. They are not guaranteed values.

## Other tapes

### Double-faced Adhesive Tape

#### Nonwoven-fabric/film base material double-faced tape

Grade	Cushion Adhesive	Base material	No. of release liners	Standard size			Color	Initial adhesion	Adhesion N / 25 mm	JIS holding performance, mm	Advantages	Applications
				Thickness, mm	Width, mm	Length, m						
Double-faced Tape 570E	-----	Nonwoven fabric	1	0.12	10~1,200	20/50	Trans- lucent	○	18.3	0.2	Excellent adhesion and weather resistance	For general adhesion
		Acrylic										
Double-faced Tape 570M	-----	Nonwoven fabric	1	0.12	1,200	20/50	Trans- lucent	◎	11.8	0.3	Excellent initial adhesion and low-temperature resistance	For splicing of paper film
		Acrylic										
Double-faced Tape 575F	-----	Nonwoven fabric	1	0.16	10~1,200	20/50	Trans- lucent	○	22.1	0.3	Excellent adhesion and weather resistance	For adhesion of aluminum nameplates
		Acrylic										
Double-faced Tape 5753E	-----	Nonwoven fabric	1	0.2	1,200	20/50	Trans- lucent	○	20.4	0.4	Excellent adhesion to rough surfaces and weather resistance	For setting of foamed rubber
		Acrylic										
Double-faced Tape 5760E	-----	Nonwoven fabric	1	0.14	10~1,000	20/50	Trans- lucent	○	18.1	0.3	Excellent adhesion and weather resistance	For adhesion of resin nameplates
		Acrylic										
Double-faced Tape 5761E	-----	Nonwoven fabric	1	0.12	1,000 / 1,200	50	Trans- lucent	○	18.3	0.2	Excellent adhesion and weather resistance	For adhesion of resin nameplates
		Acrylic										
Double-faced Tape 575E	-----	Nonwoven fabric	1	0.14	10~1,000	20/50	Trans- lucent	○	18.1	0.3	Excellent adhesion and weather resistance	For setting of cushion materials and seal materials
		Acrylic										
Double-faced Tape 5782	-----	Nonwoven fabric	1	0.13	10~1,000	20/50	Trans- lucent	○	18.6	*0.2	Good adhesion to foamed urethane Excellent repulsion resistance	For adhesion of formed urethane
		Acrylic										
Double-faced Tape 584	-----	Special Polyethylene Form	1	0.13	1,050	30/60	White	○	18.6	0.3	Excellent initial adhesion and holding performance	For attaching of golf club grips For attaching of printed boards
		Rubber-base										
Double-faced Tape 595TF	-----	Tissue paper	1	0.17	10~1,200	20/50	Trans- lucent	○	20.6	0.2	Strong base materials	For setting of floorings and recycling
		Acrylic										
Double-faced Tape 560	-----	Polypropylene	1	0.13	10~1,200	20/50	Trans- parent	◎	7.8	0.2	Strong base material Excellent removability	For attaching of rearview mirrors For setting of cushions and floorings
		Acrylic										

Notes: 1. Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-deegree peeling resistance test). 2. Initial adhesion indicates the degree of adhesion. ◎: Excellent, ○: Good  
3. JIS holding performance is measured at 40°C according to JIS Z0237 (Items identified by "\*" are measured under 80°C temperature and 500 g load conditions).

#### Foam base material double-faced tape

Grade	Cushion Adhesive	Base material	No. of release liners	Standard size			Color	Initial adhesion	Adhesion N / 25 mm	JIS holding performance, mm	Advantages	Applications
				Thickness, mm	Width, mm	Length, m						
Double-faced Tape 518TF	-----	Special Polyethylene Form	1	1.3	970	10/30	Black	◎	*20.3	0.4	Excellent adhesion to rough surfaces, holding performance Application to various adherends	For attaching of vehicle exteriors For setting of housing
		Acrylic										
Double-faced Tape 517TF	-----	Special Polyethylene Form	1	0.9	970	10/30	Black	◎	*19.1	0.3	Excellent initial adhesion and adhesion to rough surfaces	For temporary setting of building interior and exterior boards
		Acrylic										
Double-faced Tape 532	-----	Special Polyethylene Form	1	1.1	20/1040	10/30	White	◎	*32.8	0.7	Excellent holding performance	For general adhesion
		Acrylic										
Double-faced Tape 533	-----	Special Polyethylene Form	1	0.38	950	15/25	White	◎	*18.8	0.2	Excellent adhesion to rough surfaces Excellent holding performance at ordinary temperature	For setting of hook hangers
		Acrylic										
Double-faced Tape 535・536	-----	Special Polyethylene Form	535 1	1.1	1040	10	White	○	18.6	0.2	Excellent cushioning performance, holding performance, adhesion to rough surfaces	For attaching of mirrors on washstands and furniture
		Rubber-base	536 2									
Sponge Tape 2310	-----	Special Polyethylene Form	1	2	450	1	Yellow Gray	◎	26.5	1.0	Excellent adhesion to rough surfaces	
		Acrylic										

Notes: 1. Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-deegree peeling resistance test). 2. Initial adhesion indicates the degree of adhesion. ◎: Excellent, ○: Good  
3. JIS holding performance is measured at 40°C according to JIS Z0237 (Items identified by "\*" are measured under 80°C temperature and 500 g load conditions).

#### Cloth double-faced tape

Grade	Cushion Adhesive	Base material	No. of release liners	Standard size			Color	Initial adhesion	Adhesion N / 25 mm	Shear adhesion N/cm²	Advantages	Applications
				Thickness, mm	Width, mm	Length, m						
Double-faced Tape 610	-----	Cloth	1	0.55	50	15	Beige	◎	6.37	34.3	Flexible and excellent adhesion to rough surfaces	For attaching of carpets and mats For attaching of freezer case door
		Rubber-base										
Double-faced Tape 615	-----	Cloth	1	1.0	30	15	Black	◎	22.0	44.1	Excellent adhesion to rough surfaces water resistance, and weather resistance	For temporary setting of building materials For sealing corrugated roof joints
		Butyl rubber										

Notes: 1. Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-deegree peeling resistance test). 2. Initial adhesion indicates the degree of adhesion. ◎: Excellent, ○: Good

#### Position-adjustable double-faced tape

Grade	Cushion Adhesive	Base material	No. of release liners	Standard size			Color	Initial adhesion	Adhesion N / 25 mm	Shear adhesion N/cm²	Advantages	Applications
				Thickness, mm	Width, mm	Length, m						
Double-faced Tape 530	-----	Special Polyethylene Form	1	0.8	950	10/20	White	○	11.4	31.9	Position-adjustable Excellent adhesion to rough surfaces and repulsion resistance	setting of flooring
		Acrylic										

Notes: 1. Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-deegree peeling resistance test). 2. Initial adhesion indicates the degree of adhesion. ◎: Excellent, ○: Good



Construction double-faced tape

Grade	Construction Adhesive	Standard size			Color	T peeling resistance N/cm	Shear adhesion N/cm²	Tensile adhesion, N/cm²	Heat resistance, °C	Advantages	Applications
		Thickness, mm	Width, mm	Length, m							
Double-faced Tape 5101A	Special Acrylic Acrylic	1.1	Approx. 10 to 500 mm (1 mm increment)	20	White	35	100	100	200	Excellent weather resistance and heat resistance. Flexible jointing, beautiful finish, and easy jointing (5101A and 5106A feature excellent adhesion to rough surfaces).	For assembly of doors and exterior materials in building. For setting of interior and exterior materials in housing and buildings. For attaching of vehicle interior and exterior components. For assembling and setting of metallic components. For assembling and setting of signboards and living goods.
Double-faced Tape 5102A	Special Acrylic Acrylic	0.3		40	White	10	140	120	200		
Double-faced Tape 5104A	Special Acrylic Acrylic	0.5		40	White	20	120	100	200		
Double-faced Tape 5106A	Special Acrylic Acrylic	0.7		30	White	25	110	100	200		
SEKISUI SJ	Acrylic	0.6	20/24/25/ 30/50/100	40	—	18	100			Shortening of construction schedule thanks to adhesive-free	For reforming of housing and building walls

Notes: 1. Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-degeree peeling resistance test).

Acrylic waterproof tape for housing opening

Grade	Construction Adhesive	Base material	No. of release liners	Standard size			Color	Initial adhesion	Adhesion N / 25 mm	Ball tack 1/32"	Advantages	Applications
				Thickness, mm	Width, mm	Length, m						
Waterproof Double-faced Tape 5600	Polyethylene cloth Acrylic		1	0.23	50/75/100	20	Trans- lucent	○	22.0	30	Stable adhesion to metallic and olefin products under low to high temperature conditions. Excellent long-term stability.	For adhesion of sash and moisture-permeable sheet at housing opening to ensure waterproofing.
Waterproof Tape 7300 (single-faced adhesive tape)	Polyethylene cloth Acrylic		—	0.17	50/75/100	20	Yellow	○	19.0	28		
Airtight waterproof double-faced Tape 747WT	PET cloth Acrylic		1	0.22	50/75/100	20	Black	○	22	27/29	No contamination of hands and work area.  Easily torn by light force and excellent workability.	For waterproof appli- cations for openings of housings
Airtight waterproof Tape 740 (single-faced adhesive tape)	PET cloth Acrylic		—	0.16	50/75/100	20	Black/ White	○	20.3	25		

Notes: 1. Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-degeree peeling resistance test). 2. Initial adhesion indicates the degree of adhesion. ◎: Excellent, ○: Good

Building Curing Tape

Grade	Construction Adhesive	Base material	Standard size			Color	Adhesion N/cm	Tensile strength, N/cm	Elongation %	Advantages	Applications
			Thickness, mm	Width, mm	Length, m						
Paper masking tape 653N	Tissue paper Rubber-base		0.1	12/15/18/20/ 24/30/36/40/ 50/60/80	18	White	1.9	40	2.9	Excellent weather resistance and solvent resistance	For masking in general building painting work
Paper masking tape 655N	Tissue paper Rubber-base		0.1	12/15/18/20/24/ 30/40/50	18	Blue	1.6	41.2	3.2	Less elongation and excellent workability	For masking in sealing work
Mask Light Tape 730	Polyolefin cloth Acrylic		0.13	25/38/50/75/100	25	Green Blue Trans- parent	2.3	52.9	13	Less adhesive residue thanks to specially designed	For temporary setting of curing materials
Fit Light Tape No.738	Recycled PETcloth Acrylic		0.11	25/38/50/75	25 50	Green Blue Trans- parent	2.2	40	25	Sticks well on uneven surfaced and can be removed easily	For tacking and temporary fixation of masking materials for interior work
Spatt Light Tape No.733	PET cloth Acrylic		0.11	38/50/100	25 50	Green Trans- parent	2.1	36	19	Excellent tron by hand	For tacking and temporary fixation of masking materials for interior work

Note: Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-degeree peeling resistance test).



Avoid using for unpainted wood, since it may make the surface dirty. Prior to use, check if it causes adhesive residue, changes color, or damages the surface, depending on the material of the adherend or the surface paint condition.

Electrical Insulation Tape

Grade	Construction Adhesive	Standard size			Color	Adhesion N/cm	Tensile strength N/cm	Elongation %	Withstand voltage (kV/mm)	Advantages	Applications
		Thickness, mm	Width, mm	Length, m							
Polyesper Tape 900E	Polyester+Paper Acrylic	0.2	50	50	Light yellow	8.24	69.6	60	3.6	Strong adhesive	For slot insulation in the motor

Note: Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-degeree peeling resistance test).

Aluminum Tape

Grade	Construction Adhesive	Standard size			Color	Adhesion N/cm	Tensile strength N/cm	Elongation %	Advantages	Applications
		Thickness, mm	Width, mm	Length, m						
Aluminum tape 951	Aluminum foil + polyester Acrylic	0.08	750	20/50	Silver	6.9	52.9	3	Excellent mechanical strength and corrosion resistance	For waterproofing and rustproofing of construction and kitchen materials

Note: Adhesion is measured by a 180-degree peeling resistance test according to JIS Z0237 (Items identified by "\*" are subject to a 90-degeree peeling resistance test).

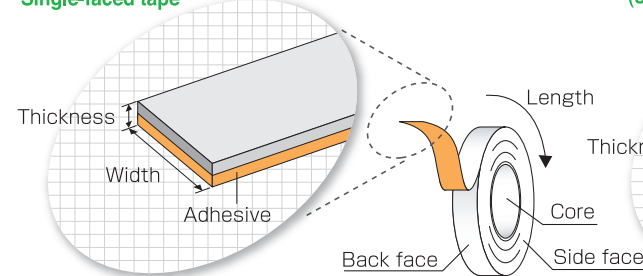


## Evaluation Method for Adhesive Tape Characteristics

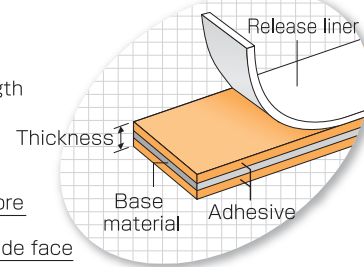
Tape performance is expressed as numerical values that represent the results of tests conducted under given conditions to reveal the characteristics of individual tapes. These indications are a useful reference to determine what kind of tape can be used in different situations.

### Tape structure and size

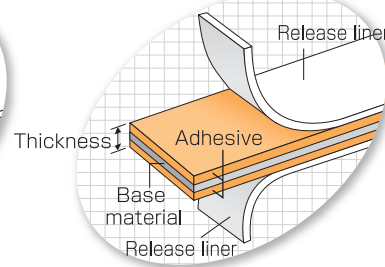
#### Single-faced tape



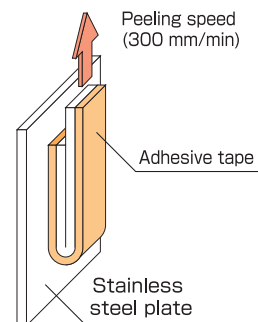
#### Double-faced tape (single release liner type)



#### Double-faced tape (double release liner type)



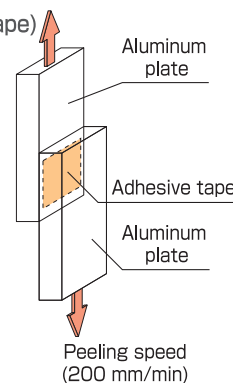
### Adhesion



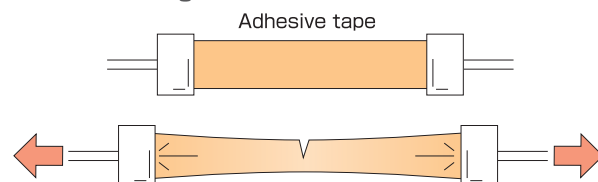
Adhesion is the strength needed to peel off a test strip (tape) that is adhered to a stainless steel plate in a 180° (or 90°) direction. This provides a reference for the difficulty in peeling off a tape. It is a typical characteristic used in determining tape performance.

### Shear adhesion (double-faced tape)

Shear adhesion is the maximum load measured in a test in which two test panels are adhered with a double-faced tape and then pulled away from each other until the adhered part breaks. This measurement reveals the toughness of the adhesive. Tougher adhesive is less likely to result in oozing and tends to improve punchability.  
\* According to Sekisui-unique method

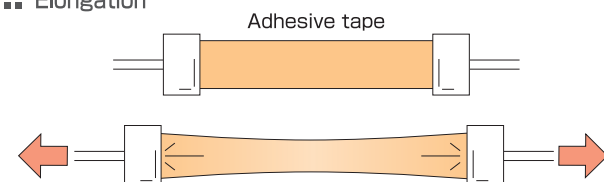


### Tensile strength



Tensile strength is the measurement of the degree of strength at which a pulled tape breaks. Higher values demote stronger base material.

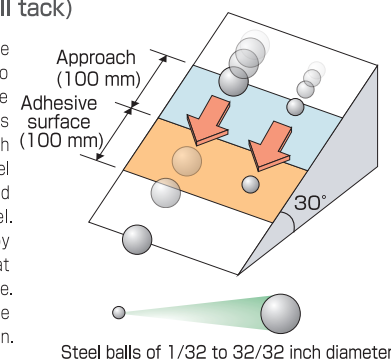
### Elongation



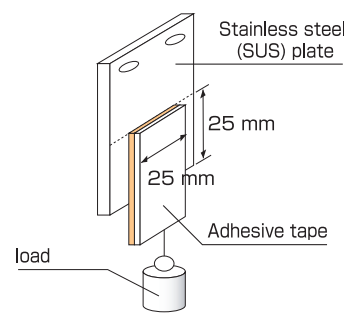
The elongation measurement reveals the tape's ability to conform to a curved or uneven surface. It is measured by pulling the tape in a lengthwise direction. This measurement is expressed in a percentage. For example, if a tape has an elongation of 150 %, it means that 1 meter of tape extends to 2.5 meters.

### Initial adhesion (ball tack)

Initial adhesion expresses the force of a tape to stick to materials with little force exerted briefly. A test strip is placed on a slanted panel with the adhesive face up, and steel balls of different sizes are rolled down along the slanted panel. The initial adhesion is given by the size of the largest ball that stops rolling down on the tape. This value provides a reference for the ease of instant adhesion.



### Holding performance



Holding performance is the resistance to a static load exerted to the tape stuck to the adherend in a lengthwise direction. Generally, a test strip (tape) is attached to one end of a test panel (stainless steel plate) and a downward load of 1 kg is applied to the test strip. The holding performance is expressed as the dislocation of the tape measured after the elapse of a given time or the time spent until the tape is completely removed from the adherend.

\* Measuring methods are in compliance with JIS Z0237. \* In this brochure, values are expressed in international units (SI: International System of Units). Traditional units are provided in parentheses.

## Precautions for use

- Use tape only for the intended applications.
- Do not stick tape directly onto your body (skin).
- Remove any dust, oil, and moisture from the target surface before using tape.
- Keep tape in a cool place that is free from direct sunshine.

## Request to our users

- All data shown in this brochure are only measurements obtained from our products under given conditions and, therefore, are not guaranteed values.
- Your application determines the required specifications for the tape, such as quality, performance, and functions. For details, contact our responsible division.
- Depending on your application, the values of the tape parameters may differ from those described in this document. To ensure proper and safe use of our tapes, we recommend that you test the products before actual usage.
- Any product described in this brochure is subject to change without prior notice. Moreover, the content of the document may be changed without prior notice.
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