

Product : Double Faced Tape #5782

SEKISUI #5782 is developed for applying to resin parts such as polypropylene, and to polyurethane foam. The total VOC emission and odor is lowered.

Structure



Applications

- 1) For fixing industrial parts
- 2) For fixing interior parts
- 3) For fixing foam material to HVAC

Features

- (1) The total VOC emission is much lower than conventional products.
- (2) It has less odor and provides a comfortable environment in a closed vehicle.
- (3) It has superior adhesion to polyolefin materials such as PP.
- (4) It is free from the thirteen chemical substances regulated by the ministry of Health, Labour and Welfare in Japan, which are harmful to human bodies.

*1 Formaldehyde, toluene, xylene, chlorpyrifos, p-dichlorobenzene, ethylbenzene, styrene, dibutyl, phthalate, diethylhexyl phthalate, tetradecane, diazinon, acetaldehyde, fenobucarb

Standard Size

Property	Unit	#5782
Tape Thickness	mm	0.130
Standard Size (Width)	mm	1,000
Standard Size (Length)	M	50

※Please contact us for other available sizes.

Properties

Property		Unit	#5782	Method	
180 degree Peeling Adhesion	SUS	23°C	N/25mm	19.2	Based on JIS Z 0237 (Old Version) Pressure: 2kg roller Peeling Speed: 300mm/min
	PP			15.2	
	PS			19.5	
	PET			21.5	
	ABS			19.1	
	PC			22.1	
	AL			18.1	
Holding Power	JIS Holding Power	mm	0.3	40°C / 1kg X 1hr	
	80°C Holding Power	mm	0.3	80°C / 0.5kg X 1hr	

Precautions

- 1) Please remove dirt, water, oil and other contaminants from the substrates' surface before use.
 - 2) Please avoid re-application, and leave it for several hours after applying it.
 - 3) Please avoid direct application on uneven or rough surfaces and body parts.
 - 4) Please avoid storage in places with high temperatures, high humidity, and direct sunlight.
 - 5) Please test it out on the surface first. If you have question about its use, please contact us.
- ※ The figures above are measured values and are not guaranteed values.

The spec and appearance may be changed without notice. Customers are responsible for judging if the tape can be used for their application.

SEKISUI CHEMICAL CO., LTD.

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Functional Tape Division

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Adhesion by Temp.

Property		Unit	#5782
180 degree Peeling Adhesion	0°C	N/25mm	26.2
	23°C		18.2
	40°C		22.5
	60°C		14.3
	80°C		7.8

Analysis Method



Substrate : SUS plate
 Pressure : 2kg roller × 1 round trip
 Curing Time : Each temp × 30min
 Speed : 300mm/min
 Angle : 180°
 Measure temp : Each temp

Shear Strength

Property		Unit	#5782
Shear Strength	5°C	N/cm2	100 ↑
	23°C		22.5
	40°C		24.8

Analysis Method



Substrate : Aluminium/Aluminium
 Size : 20mm×20mm
 Pressure : 2kg roller × 1 round trip
 Curing Time : Each temp × 30min
 Speed : 50 mm/min
 Measure temp : Each temp

Tensile Strength

Property		Unit	#5782
Tensile Strength	5°C	N/cm2	41.4
	23°C		31.1
	40°C		33.5

Analysis Method



Substrate : Aluminium/Aluminium
 Size : 25mm×25mm
 Pressure : 2kg roller × 1 round trip
 Curing Time : Each temp × 30min
 Speed : 10 mm/min
 Measure temp : Each temp

Durability Properties

Property		Unit	#5782	Method 1	Method 2
180° degree Peeling Adhesion	Initial	N/25mm	18.2	23°C50%	Base on JIS Z 0237 (Old Version) Pressure : 2kg roller Speed : 300mm/min
	Low Temp.		18.4	-30°C×14days	
	High Temp.		18.9	80°C×14days	
	High Temp. High Humidity		18.6	60°C90%×14days	
	Heat Cycle		18.4	-30°C⇔80°C 30min×300cycle each	

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