

Anti-Skid Rubber Sheets

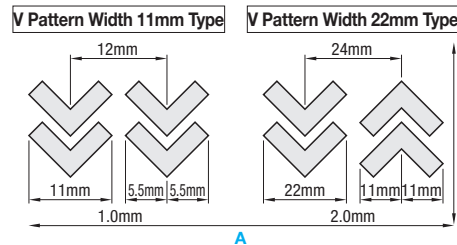
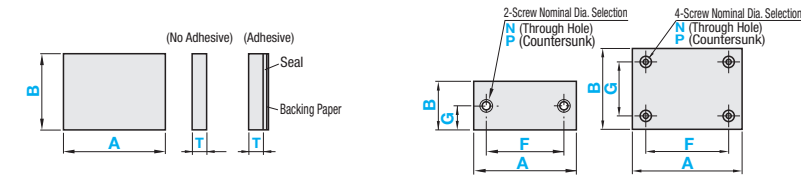
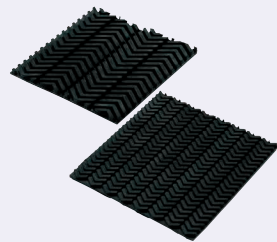
Hyper V®

Strong grip even on an oil applied workpiece is ensured by its material properties and special shape. Most suitable for workpiece chuck.

Anti-Skid Rubber Sheets

	No Adhesive	Adhesive	M Material	H Hardness	Color
V Pattern Width 11mm	STHVS	STHVA	Nitrile Rubber Equivalent (Hyper V® Oil Resistant Type)	Shore A60	Black
V Pattern Width 22mm	STHVM	STHMA			

Hyper V® is a trademark of Nisshin Rubber Co.



The sheet can be cut at a desired dimension regardless of the pattern.

- Accuracy Standards**
- T Dimension Tolerance ±0.5
 - Dimensional Tolerances of A and B 200mm or Less 300mm or Less ±0.5 ±1.0

A, B Configurable Type

Part Number	1mm Increment		
Type	T	A	B
STHVS	4	10~300	10~300
STHVA	4		
STHVM	4.5	10~300	10~300
STHMA	4.5		

Hole Type

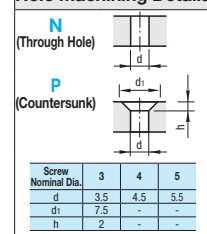
Part Number	1mm Increment					Screw Nominal Dia. Selection		
Type	Nominal	T	A	B	F	G	N (Through Hole) P (Countersunk)	
STHVS	2H	4	10~300	10~300	5~295	5~295	3, 4, 5	3
STHVA	4H	4						
STHVM	4.5	4.5	10~300	10~300	5~295	5~295	3, 4, 5	3
STHMA	4.5	4.5						

Dimension F Specification Range: d(d1)+5≤F≤A-d(d1)-5, Dimension G Specification Range: for 2H: d(d1)/2+2.5≤G≤B-d(d1)/2-2.5, for 4H: d(d1)+5≤G≤B-d(d1)-5.

A, B Configurable Type

Part Number	1mm Increment	Unit Price		
Type	T	A	B	B
STHVS	4	10~100	10~300	10~100
STHVA	4	101~200		101~200
STHVM	4.5	201~300	10~300	201~300
STHMA	4.5	201~300		201~300

Hole Machining Details



Ordering Example

Part Number - A - B
STHVS4 - 250 - 100

Hole Type

Part Number - A - B - F - G - N
STHVS4H4 - 250 - 200 - F200 - G150 - N5

Hole Machining Charge

Part Number - A - B - F - G - N
STHVS4H4 - 250 - 200 - F200 - G150 - N5
(Standard Type Unit Price) * (Hole Machining Charge) = (Hole Type Unit Price)

Property of Hyper V®

A rubber sheet material used for shoe soles for excellent oil surface non-slip performance is standardized for industrial applications.

Measurement of Coefficient of Slip Resistance (Ono Field-Portable Slip Test)

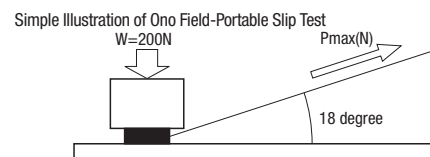
Condition	Coefficient of Slip Resistance (C.S.R.)		
	Hyper V® Sheet		Rubber Plain Sheet
	V22 Type	V11 Type	
Dry	0.97	0.98	0.76
Wet (Water)	0.80	0.84	0.42
Wet (Glycerin)	0.31	0.44	0.03

The above values are not guaranteed values but a measured values.

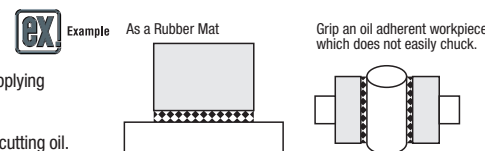
Ono Field-Portable Slip Test

Measure Max. Tensile Load (N)=Pmax by pulling a test specimen of 5mm thickness with applying 200N load on a stainless sheet of 50mmx60mm. A test result is shown as C.S.R. = Pmax/W.

Recommended as a rubber mat or a chucking material for workpieces that are slippery by cutting oil.



The test result shows that V22 Type begins moving by the force of 62N, V11 Type by 88N and the Plain Sheet by 6N with glycerin coating. It proves that Hyper V® has an excellent slip resistance property.

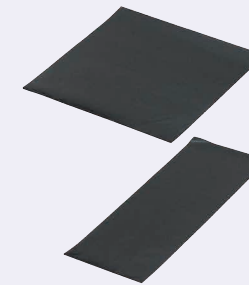


Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

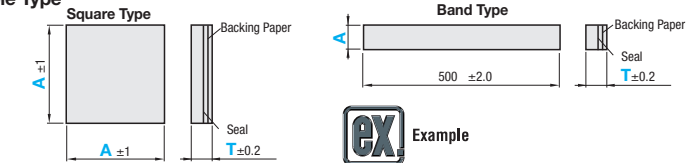
Nonskid Rubber Sheets, Double Sided Adhesive Tape for Rubber

Nonskid rubber sheets with embossed surface that have same function as adhesive discs.

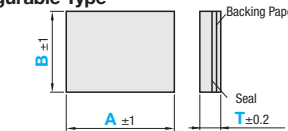
Nonskid Rubber Sheets



A Selectable Type STPES



A, B Configurable Type STPESF



Example It can be used as nonskid stopper pasted on the backside of equipments.

Equipment
STPES, etc.
Adhesive thickness is 0.06 - 0.10mm.
Material: Copolymerized Foam of Acrylic, Urethane and Rubber

A Selectable - Square

Part Number	Unit Price	
Type	T	A Selection
STPES	1	300 500

A Selectable - Band L Dimension is 500mm.

Part Number	Unit Price								
Type	T	A	10	20	30	40	50	80	100
STPES	1	10, 20 30, 40 50, 80 100							

A, B Configurable Type

Part Number	1mm Increment	Unit Price						
Type	T	A	B	10~100	101~200	201~300	301~400	401~500
STPESF	1	10~100 101~200 201~300 301~400 401~500	10~500					

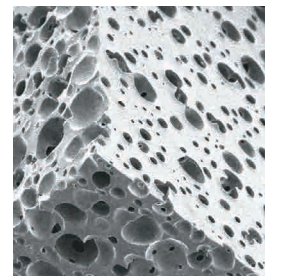
A≥B

Ordering Example
Part Number - A
STPES1 - 300
STPES1 - 20

Ordering Example
Part Number - A - B
STPESF1 - 485 - 323

Features

Its finely embossed surface functions like a suction cup.



Double Sided Adhesive Tape for Rubber



Part Number	W	Applicable Rubber	Base Material	Main Component	Unit Price				
Standard	Heat Resistant	Conductive	Oil Resistant		Standard	Heat Resistant	Conductive	Oil Resistant	
ADTR	-	LADTR	PLADTR	20 50	Nitrile, Chloroprene, Ethylene, Butyl, Fluorine	Non-Woven Polyester Fabric	Acrylic Adhesive		
ADTS	HADTS	-	-	20 50	Silicon	Standard: Polyester Film Heat Resistant: Polyimide Film	Silicon Adhesive		

LADTR are in 5m rolls, others are in 10m rolls.

For ADTS, only the side with the white release paper (silicon bond surface) is applicable to bond to silicon rubber.

Double sided adhesive seals and adhesives for urethane, rubber, and sponge are also available as web page listed products.

For details, search by a Part Number at <http://fa.misumi.jp>.

Allowable Temperature: HADTS: 200°C, Others: 120°C.

Ordering Example
Part Number - W
ADTR - 20

Adhesive Test Data

180 Degree Delamination Strength Test: Bond 1mm thick, 25mm wide rubber sheet to a SUS304 plate and measured. Delamination resistance strength force is expressed as adhesive load (N). Unit: N/25mm Wide

Condition	Standard					Heat Resistant	Conductive				Oil Resistant	
	ADTR					ADTS	LADTR				PLADTR	
	Nitrile	Chloroprene	Ethylene	Butyl	Fluorine	Silicon	Silicon	Nitrile	Chloroprene	Ethylene	Butyl	
Room Temperature x20 min.	60	60	60	60	60	13	3	6	6	6	6	See P420
Room Temperature x72 hrs.	80	80	80	80	80	15	9	9	9	9		
80°C x 48 hrs.	70	70	70	70	70	15	10	13	14	12	12	

These are not guaranteed values but an example as a set of measured values.

* For other Adhesive Tape and Adhesives, P489