Ethylene Rubber Sheets, Butyl Rubber Sheets, Amber Color Rubber Sheets

■Ethylene rubber excels in alkali, ketone and ozone resistance, especially in weather resistance.
■Butyl rubber excels in weather, chemical and gas permeability resistance. Inferior in oil and flame resistance.
■Amber color rubber excels in mechanical strength and abrasion resistance. Its elasticity and tensility help to fit well with workpiece shapes. Can be used as a floor plate in a place requiring air tightness.

A Selectable Type		A, B Configurable Type		M Material	H Hardness	Color
No Adhesive	Adhesive	No Adhesive	Adhesive			
RBPM	RBPMA	RBPMF	RBPMFA	Ethylene Rubber (EPDM)	Shore A65	Black
RBEW	RBEWA	RBEWF	RBEWFA			White
RBRM	RBRMA	RBRMF	RBRMFA	Butyl Rubber (IIR)	Shore A65	Black
RBWM	RBWMA	RBWMF	RBWMFA			White
AMSE	AMSEA	AMSET	AMSETA	Amber Color Rubber	Shore A45	Amber Color

■Accuracy Standards

T Tolerance		A, B Tolerance	
T	Tolerance	A, B	Tolerance
0.5	±0.2	200 or Less	±0.5
1~3	±0.3	201~300	±1.0
5	±0.4	301~500	±1.5
10	±0.6		
15~30	-0.5~+2.0		

Adhesive thickness is 0.14 ~ 0.2mm. Temperature limit for seals is 80°C.
For Adhesive Strength Data, see P.438 (ADTR).

■Square Type

■Band Type

500 +5/0

Hole Machining Details

N (Through Hole)　Z (Counterbored Hole)

Screw Nominal Dia.	3	4	5	6	8	10
d	3.5	4.5	5.5	6.5	9	12
d1	6.5	8	9.5	11	14	17.5
h	3.5	4.5	5.5	6.5	9	11

■A, B Configurable - Standard Type

■A, B Configurable - Hole Type

1-Hole **1H**　2-Hole **2H**　3-Hole **3H**　4-Hole **4H**　6-Hole **6H**

N (Through Hole)　Z (Counterbored Hole)

For Adhesive Type T5 or more, the adhesive tape may tear from the body. Please use it as temporary fixing, or in combination with bolt fixing.
A, B dimension tolerance has been changed. Please refer to the accuracy standards above.

■Square Type

Part Number		A Selection
Type	T	
No Adhesive / Adhesive	*1	
RBPM RBPMA	*2	
*RBEW *RBEWA	*3	300
RBRM RBRMA	5	500
RBWM RBWMA	10	
AMSE AMSEA	15	
	20	
	30	

Only * marked T dimensions are available for RBEW and RBEWA.
T15 is not selectable for Butyl Rubber White, T30 is not selectable for Amber Color Rubber.

■Band Type

Part Number		A Selection
Type	T	
No Adhesive / Adhesive	*1	3
RBPM RBPMA		5
*RBEW *RBEWA		10
RBRM RBRMA		20
RBWM RBWMA		30
AMSE AMSEA	*2	40
	*3	50
	5	80
	10	100

L dimension is 500mm.
Only * marked T dimensions are available for RBEW and RBEWA.

■A, B Configurable - Standard Type

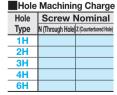| Part Number		1mm Increment	
Type	T	A	B
No Adhesive / Adhesive	*1		
RBPMF RBPMFA	*2		
*RBEWF *RBEWFA	*3		
RBRMF RBRMFA	5	10~500	10~500
RBWMF RBWMFA	10		
AMSET AMSETA	15		
	20		
	30		

A≥B≥T
Only * marked T dimensions are available for RBEWF and RBEWFA.
T15 is not selectable for Butyl Rubber White, T30 is not selectable for Amber Color Rubber.

■A, B Configurable - Hole Type

Part Number		1mm Increment (A≥B≥T)		0.5mm Increment		Screw Nominal Dia. Selection	
Type	Nominal T	A	B	F	G	N (Through Hole)	Z (Counterbored Hole)
No Adhesive / Adhesive	1H			5~495 (1H Type)	5~495 (1H, 2H, 3H Types)	3	-
RBPMF RBPMFA	2H					4	-
RBEWF RBEWFA	3H	25~500	25~500	9~491 (2H, 4H Types)	9~491 (4H, 6H Types)	5	-
RBRMF RBRMFA	4H					6	3 4
RBWMF RBWMFA	5 / 10 / 15			9~245 (3H, 6H Types)		8	4 5 6 8
AMSET AMSETA	6H / 20 / 30					10	4 5 6 8 10

Dimension F Specification Range: For 1H: d(d1)/2+2.5≤F≤A-d(d1)/2-2.5, for 2H, 4H: d(d1)+5≤F≤A-d(d1)/2-5, for 3H, 6H: d(d1)+5≤F≤A/2-d(d1)/2-2.5.
Dimension G Specification Range: For 1H, 2H, 3H: d(d1)/2+2.5≤G≤B-d(d1)/2-2.5, for 4H, 6H: d(d1)+5≤G≤B-d(d1)/2-5. (d for through holes, d1 for counterbored holes.)
For RBEWF and RBEWFA, T≤3. T15 is not selectable for Butyl Rubber White, T30 is not selectable for Amber Color Rubber. A≥B≥T

Ordering Example

■Square Type, Band Type
Part Number - A
RBPM5 - 300

■A, B Configurable - Standard / Hole Type
Part Number - A - B - F - G - Screw Nominal Dia.
RBPMF10 - 110 - 65
RBPMF4H20 - 200 - 150 - F140 - G100 - Z5

The price of this product is the unit price shown in the table multiplied by material multiplier.

(Ex.) Part Number - A - B
RBPMFA10 - 500 - 400 >>
(Unit Price) x (Material Multiplier) = Standard Type Unit Price

■Square Type

Part Number		Unit Price A	
Type	T	300	500
No Adhesive			
RBPM (x1.0)	*1		
*RBEW (x1.9)	*2		
RBRM (x1.3)	*3		
RBWM (x1.4)	5		
AMSE (x1.5)	10		
Adhesive			
RBPMA (x1.3)	15		
*RBEWA (x2.0)	20		
RBRMA (x1.6)	30		
RBWMA (x1.5)			
AMSEA (x1.6)			
( ) Material Multiplier			

Only * marked T dimensions are available for RBEW and RBEWA.
T15 is not selectable for Butyl Rubber White, T30 is not selectable for Amber Color Rubber.

■Band Type

Part Number		Unit Price A								
Type	T	3	5	10	20	30	40	50	80	100
No Adhesive										
RBPM (x1.0)	*1									
*RBEW (x1.3)	*2									
RBRM (x1.0)	*3									
RBWM (x1.0)										
AMSE (x1.7)										
Adhesive										
RBPMA (x1.3)	5									
*RBEWA (x1.4)	10									
RBRMA (x1.2)										
RBWMA (x1.2)										
AMSEA (x1.8)										

Only * marked T dimensions are available for RBEW and RBEWA.

■A, B Configurable - Standard / Hole Type

The price of the Hole Type is found by adding the standard type unit price and the hole machining charge.

Part Number		A	Unit Price B				
Type	T		10~100	101~200	201~300	301~400	401~500
No Adhesive RBPMF (x1.0) *RBEWF (x1.6) RBRMF (x1.0) RBWMF (x1.3) AMSET (x1.7) Adhesive RBPMFA (x1.3) *RBEWFA (x1.7) RBRMFA (x1.3) RBWMFA (x1.4) AMSETA (x1.8)	*1	10~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					
	*2	10~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					
	*3	10~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					
	5	10~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					

Part Number		A	Unit Price B				
Type	T		10~100	101~200	201~300	301~400	401~500
No Adhesive RBPMF (x1.0) RBRMF (x1.0) RBWMF (x1.3) AMSET (x1.7) Adhesive RBPMFA (x1.3) RBRMFA (x1.3) RBWMFA (x1.4) AMSETA (x1.8) ( ) Material Multiplier	10	10~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					
	15	15~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					
	20	20~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					
	30	30~100		-	-	-	-
		101~200			-	-	-
		201~300				-	-
		301~400					-
		401~500					

T15 is not selectable for Butyl Rubber White, T30 is not selectable for Amber Color Rubber.
Only * marked T dimensions are available for RBEWF and RBEWFA.
Yellowing of White Rubber: Please note upon application that yellowing is more pronounced compared to black rubber.

■Hole Machining Charge

Hole Type	Screw Nominal	
	N (Through Hole)	Z (Counterbored Hole)
1H		
2H		
3H		
4H		
6H		

(Ex.) Part Number - A - B - F - G - Screw Nominal Dia.
RBPMF4H10 - 200 - 180 - F160 - G140 - Z3 >>

(Standard Type Unit Price) + (Hole Machining Charge) = (Hole Type Unit Price)

Alterations

Part Number - A - B - F - G - Screw Nominal Dia. - (XC, YC)
RBPMF4H5 - 100 - 80 - F65 - G40 - N4 - YC30

	Hole Position from Left	Hole Position from Bottom
Alterations		
Code	XC	YC
Spec.	XC=1mm Increment 5≤XC≤486 (Non-containing chloroprene rubber T15 or larger is available up to 286.) (2H, 4H Types) d(d1)/2+2.5≤XC≤A-F-d(d1)/2-2.5 (3H, 6H Types) d(d1)/2+2.5≤XC≤A-2F-d(d1)/2-2.5	YC=1mm Increment 5≤YC≤486 (Non-containing chloroprene rubber T15 or larger is available up to 286.) d(d1)/2+2.5≤YC≤B-G-d(d1)/2-2.5