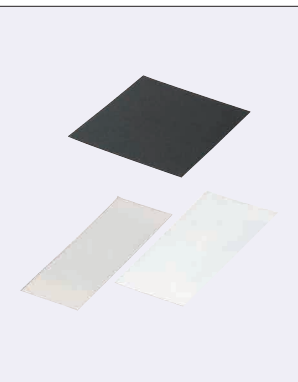


Low Friction Rubber Sheets

Nitrile Rubber Sheets, Silicon Rubber Sheets

Rubber sheets with high sliding property and are slippery to the touch. Suitable for use on portions that tend to stick to workpieces such as jaws.

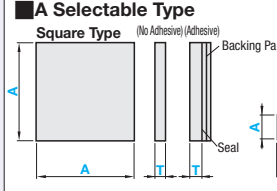


A Selectable Type		A, B Configurable Type		Material	Hardness	Color
No Adhesive	Adhesive	No Adhesive	Adhesive			
LRBNM	LRBNMA	LRBNMF	LRBNMFA	Low Friction Nitrile Rubber	Shore A70	Black
LRBSM	LRBSMA	LRBSMF	LRBSMFA	Low Friction Silicon Rubber	Shore A70	Light Gray
LRBAM	LRBAMA	LRBAMF	LRBAMFA	Low Friction Silicon Rubber	Shore A50	Milky White

Adhesive thickness is 0.14 ~ 0.2mm.

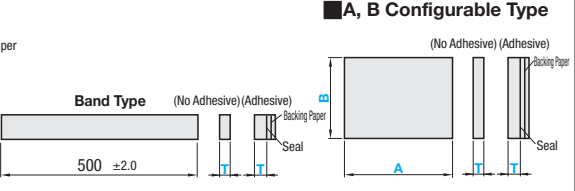
A Selectable Type

Square Type



A, B Configurable Type

Band Type



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

(Ex.) Part Number - A - B >> (Unit Price) x (Material Multiplier) = Standard Type Unit Price
LRBSMFA0.5 - 300 - 200

A Selectable - Square

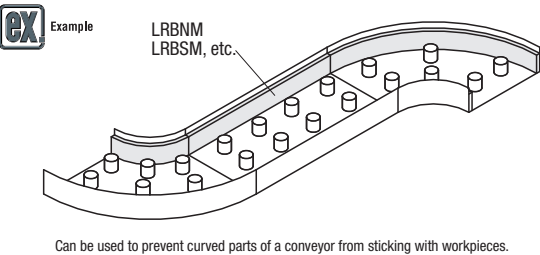
Part Number		A Selection	Unit Price	
Type	T		LRBNM, LRBSMA, LRBAM	LRBNMA, LRBSMF, LRBAMF
No Adhesive LRBNM (x1.0) LRBSM (x1.0) LRBAM (x1.0)	0.5	300		
Adhesive LRBNMA (x1.2) LRBSMA (x1.2) LRBAMA (x1.2)		500		

A, B Configurable Type

Part Number		A Selection	Unit Price	
Type	T		A	B
LRBNMF, LRBSMF, LRBAMF, LRBNMFA, LRBSMFA, LRBAMFA	0.5		10~500	10~500

Ordering Example
Part Number - A - B
LRBNM0.5 - 300
LRBAMA0.5 - 100

Ordering Example
Part Number - A - B
LRBNMF0.5 - 395 - 201



Can be used to prevent curved parts of a conveyor from sticking with workpieces.

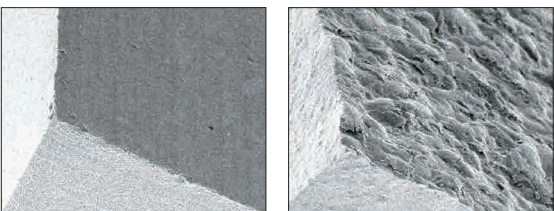
Features of Low Friction Rubber Sheets Chemical Resistance Data See P.391
By making only one side of rubber surface coarse, the friction is reduced without changing other properties of the material.
Can be used on the surface of a sliding plate, robotic chuck and etc. that can stick with workpieces.

Comparison of Dynamic Friction Coefficient

	Nitrile Rubber (Shore A70)	Silicon Rubber (Shore A70)	Silicon Rubber (Shore A50)
Low Friction	1.22	0.48	0.3
Regular	3.32	-	-

Measurement Method: JIS K7125

* Silicon rubber is not measurable because it is self-adhesive.



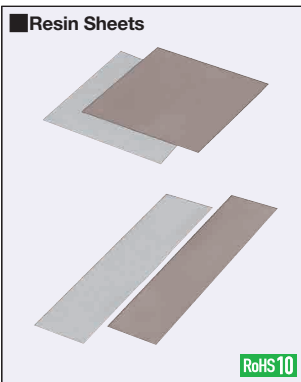
Regular

Low Friction

Resin Sheets, Fluororesin Tapes (Sliding, Dust-proof)

Fluororesin, Ultra High-Molecular-Weight Polyethylene

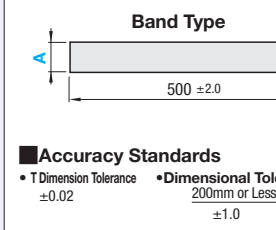
Resin sheets and tapes with high sliding property and are slippery to the touch. Suitable for enhancing the sliding of workpieces.



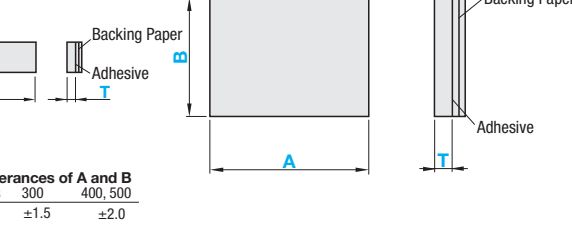
A Selectable Type/A, B Selectable		Material	Adhesive
PTFETT, ULTT	PTFETS, ULTS		
		Fluororesin	Silicon
		Ultra High-Molecular-Weight Polyethylene	Acrylic

A Selectable - Band

Band Type



A, B Selectable



Accuracy Standards

- T Dimension Tolerance: ±0.02
- Dimensional Tolerances of A and B: 200mm or Less ±1.0, 300 ±1.5, 400, 500 ±2.0

A Selectable - Band

Part Number		A Selection	Unit Price							
Type	T		A3	A5	A10	A20	A30	A40	A50	A80, A100
PTFETT	0.23	3, 5, 10, 20, 30								
ULTT	0.12	40, 50, 80, 100								

L dimension is 500mm.

A, B Selectable

Part Number		A Selection	B Selection	Unit Price				
Type	T			B100	B200	B300	B400	B500
PTFETS	0.23	100	100		-	-	-	-
		200			-	-	-	-
		300			-	-	-	-
		400			-	-	-	-
		500			-	-	-	-
ULTS	0.12	100	500		-	-	-	-
		200			-	-	-	-
		300			-	-	-	-
		400			-	-	-	-
		500			-	-	-	-

Ordering Example
Part Number - A - B
PTFETT0.23 - 30
ULTT0.12 - 5
PTFETS0.23 - 100 - 100
ULTS0.12 - 500 - 100

Features of Fluororesin and Ultra High-Molecular-Weight Polyethylene

Fluororesin

Low friction coefficient, and excellent chemical resistance and heat resistance. Although its friction coefficient and heat resistance are inferior to those of fluororesin, the price is relatively inexpensive. Also, it has excellent durability.

Comparison of Dynamic Friction Coefficient

	Fluororesin (N/25mm Wide)	Nitrile Rubber (N/25mm Wide)
Fluororesin	0.08	0.14
Ultra High-Molecular-Weight Polyethylene	0.14	-
Nitrile Rubber	3.32	-

JIS K 7125

Characteristic Values

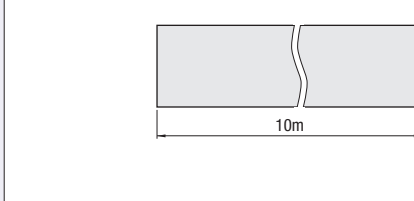
Material	Adhesive Strength (N/25mm Wide)	Tensile Strength (N/25mm Width)	Elongation %	Heat Resistance °C	Chemical Resistance					
					Oil	Water	Acid	Alkali	Ether	Ketone
Fluororesin	12	184	350	180	○	○	○	○	○	○
Ultra High-Molecular-Weight Polyethylene	10	93	300	100	○	○	○	○	○	○

○ - Excellent ○ - Good △ - Acceptable × - Not Acceptable

Fluororesin Tapes (Sliding, Dust-proof)



PTFET



Material

①	Fluororesin Film
②	Adhesives (Silicon Type)

Part Number		W Selection (mm)	T (mm)	① Fluorine Film Thickness	Adhesive Strength (N/25mm Wide)	Tensile Strength (N/25mm Width)	Elongation %	Dielectric Breakdown kV	W13		W25		W50	
Type	No.								Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
PTFET	1	13	0.08	0.05	6.13	49.0	200	4.5						
	2	25	0.13	0.08	9.32	56.4	250	7.5						
	3	50	0.18	0.13	10.79	122.6	340	8.2						
	4		0.23	0.18	11.52	149.6	360	9.0						

Ordering Example
Part Number - W
PTFET2 - 13

Can be used inside of hoppers, etc.

