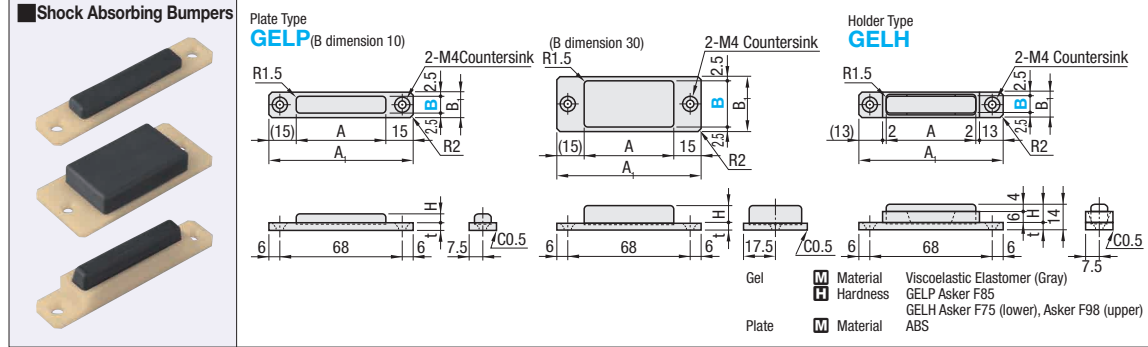


Shock Absorbing Bumpers, Shock Absorbing Foam

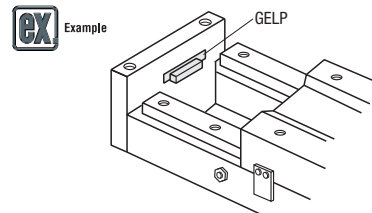
Extra Low Hardness Urethane Sheets, Silicone Gel Sheets

■ New bumpers provided with shock and sound absorbing effect, made of soft shock-absorbing gel.
 ■ Long and narrow shape with enlarged pressure contact area more than Round Type enhanced shock absorption. See P.410 for Circular Type.



Part Number	Type	B	A	H	A ₁	B ₁	t	Unit Price
GELP	Plate Type	10	5	15	35	4		
GELH	Holder Type	10	10	15				

Ordering Example: Part Number GELP10



20% Compressive Load Test Results

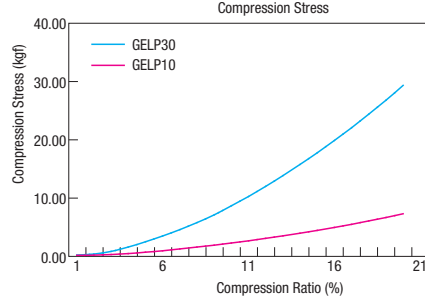
Part Number	GELP10	GELP30	GELH10
20% Compression Load Average (kgf)	7.2	29.2	0.9

Test Conditions
 A static compression load measurement test causing the 80% thickness is repeated 3 times. Above are the mean values of three measurement results.
 ⚠ These are not guaranteed values but an example as a set of measured values.

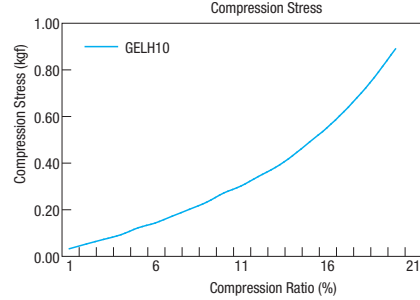
Precaution for Use

- Do not stick or cut with sharpened objects.
- Do not tear or twist.
- Insert it only from the vertical direction.
- Keep away from fire.
- Do not use detergents for cleaning.
- Replace it when broken.

Compressive Load Test Result (Plate Type)

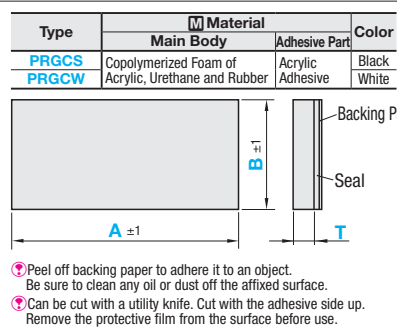


Compressive Load Test Result (Holder Type)



■ Copolymerized Acrylic, Urethane, and Rubber for sound and vibration dampening. Best suited for receivers for workpieces.

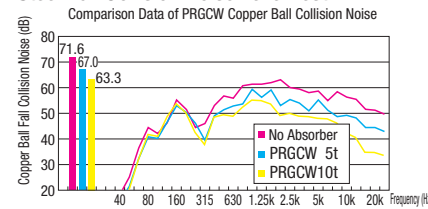
Shock Absorbing Foam



Part Number	T Dimension	A Selection	B Selection	Unit Price				
				B100	B200	B300	B400	B500
PRGCS PRGCW	3	±1	100					
			200					
			300					
5	±1	100						
		200						
		300						
10	±2	100						
		200						
		300						

Ordering Example: Part Number PRGCS3 - A - B - 100 - 200

Steel Ball Collision Noise Level Test



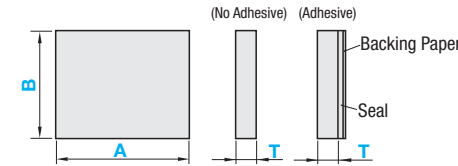
Item	No Absorber	PRGCW5	PRGCW10
Collision Noise (dB)	71.6	67	63.3
Sound Pressure	-	40% Reduced Sound Pressure	60% Reduced Sound Pressure

* A steel ball (Ø20, 36g) is dropped on a wooden base from a 55cm height, and the sound pressure level is measured with a microphone at a distance of 50m, positioned 50cm above the ground.

■ With more resistance to permanent compression deformation than conventional urethane, it is more durable. The softness of Shore A15 is about firm gelatin.



SUTLL (No Adhesive)
SUTLLA (Adhesive)



Accuracy Standards
 • **T Dimension Tolerance**
 5, 10 15-25 30
 ±0.4 ±0.8 ±1.0
 • **Dimensional Tolerances of A and B**
 200mm or Less 205-250
 +3 0 +5 0
 ⚠ The tolerances are verified at 23°C±2 and 40 ~ 80% humidity.
 ⚠ Edges may remain white after cutting.
 ⚠ Material: Extra Low Hardness Urethane (Black)
 ⚠ Hardness: Shore A15 (High Impact Resilience)

Part Number	5mm Increment
Type	T A B
No Adhesive SUTLL	5 10-250 10-250
Adhesive SUTLLA	15 10-250 10-250
	25 10-250 10-250
	30 10-250 10-250

Ordering Example: Part Number SUTLL5 - A - B - 250 - 100

⚠ 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) = Unit Price of Standard Type
 SUTLLA10 - 200 - 150 >>

Part Number	Type	T	A	Unit Price		
				10-100	105-200	205-250
No Adhesive SUTLL (x1.0)	5	10	10-100			
			105-200			
			205-250			
	10	10	10-100			
			105-200			
			205-250			
Adhesive SUTLLA (x1.2)	15	10	10-100			
			105-200			
			205-250			
	20	10	10-100			
			105-200			
			205-250			
25	10	10-100				
		105-200				
		205-250				
30	10	10-100				
		105-200				
		205-250				

Features of Extra Low Hardness Urethane

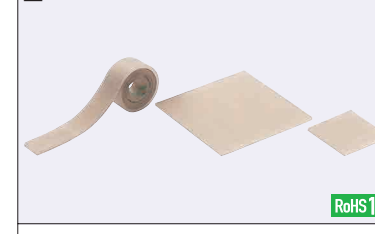
- High physical strength that cannot be obtained from conventional soft materials.
- MISUMI original material that suppresses self-adhesion, which is the problem of soft material.
- This material has high resistance against impact, and little permanent compression.
- It has the same properties as other polyurethane.

Comparison of Characteristics

Properties	Extra Low Hardness Urethane	Nitrile	Ethylene	Silicon	Fluorine
Impact Resilience	⊙	○	○	○	△
Compression Set	⊙	○	○	○	○
Abrasion Resistance	⊙	○	○	×	○

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

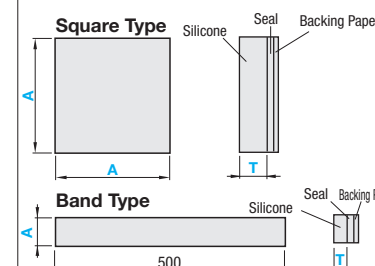
Silicone Gel Sheets



RoHS10

Part Number	Type	Material	Hardness (Penetration)	Color
Square Type	GELS	Silicone	55	Milky White
Band Type	GELT	Silicone	55	Milky White

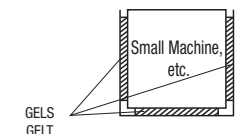
Operating Temperature Range: -40 ~ 100°C
 The values of hardness are reference values.
 Penetration: JIS K2207 See P.410.



Ordering Example: Part Number GELS1 - A - 50

EX Example

Can be used as vibration control materials and cushioning materials.



GELS
GELT