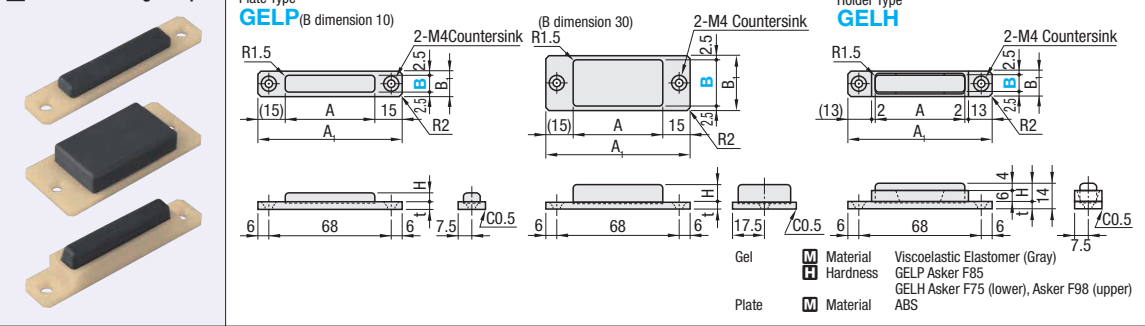


Shock Absorbing Bumpers, Shock Absorbing Foam

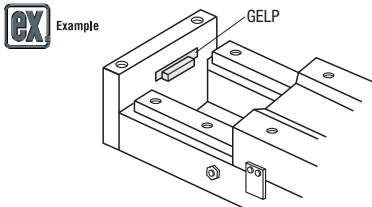
Extra Low Hardness Urethane Sheets, Silicone Gel Sheets

■ 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.

Shock Absorbing Bumpers



Part Number	Type	B	A	H	A ₁	B ₁	t	Unit Price
GELP	Plate Type	10	30	50	10	80	35	4
GELH	Holder Type	10	10	10	15			



20% Compressive Load Test Results

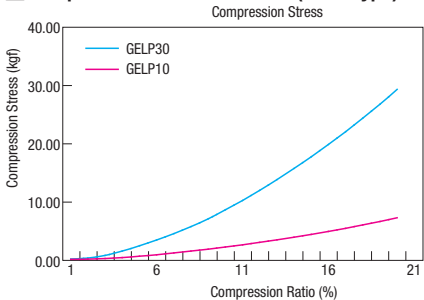
Part Number	GELP10	GELP30	GELH10
20% Compression Load Average (kgf)	7.2	29.2	0.9

● 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.

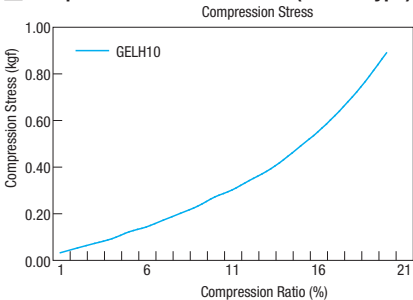
Precaution for Use

- 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)

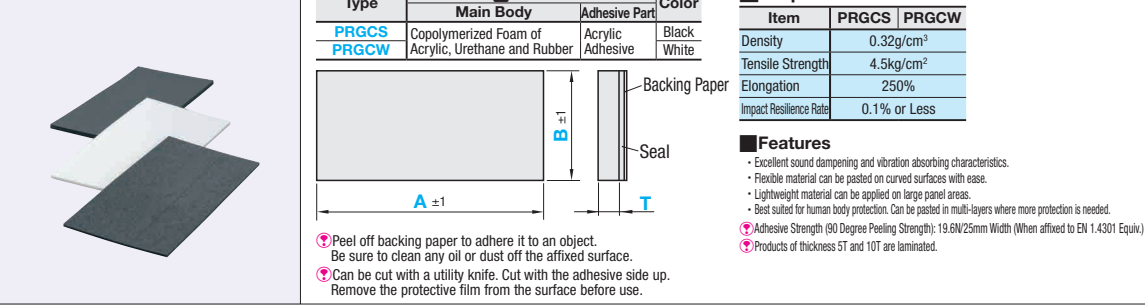


Compressive Load Test Result (Holder Type)



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

Shock Absorbing Foam



Part Number	Type	T Dimension Tolerance	A Selection	B Selection	Unit Price
PRGCS	3	±1	100	100	
PRGCW	5	±1	400	200	
	10	±2	800	300	



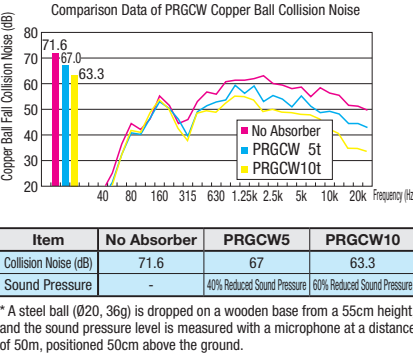
Properties

Item	PRGCS	PRGCW
Density	0.32g/cm ³	
Tensile Strength	4.5kg/cm ²	
Elongation	250%	
Impact Resilience Rate	0.1% or Less	

Features

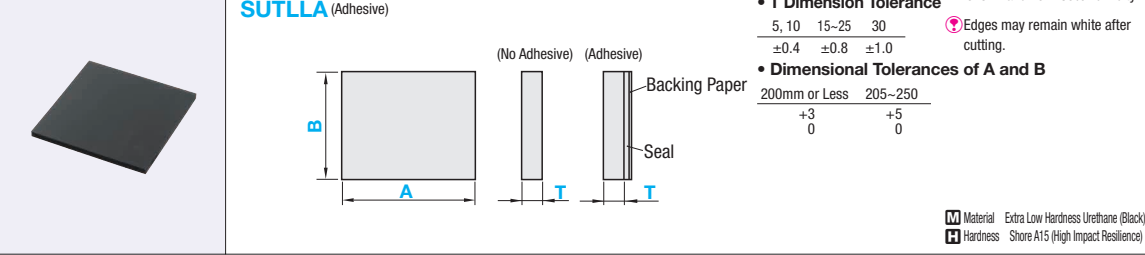
- Excellent sound dampening and vibration absorbing characteristics.
- Flexible material can be pasted on curved surfaces with ease.
- Lightweight material can be applied on large panel areas.
- Best suited for human body protection. Can be pasted in multi-layers where more protection is needed.
- Adhesive Strength (90 Degree Peeling Strength): 19.6N/25mm Width (When affixed to EN 1.4301 Equiv.)
- Products of thickness 5T and 10T are laminated.

Steel Ball Collision Noise Level Test



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

Extra Low Hardness Urethane Sheets



Part Number	Type	T	A	B
SUTLL	No Adhesive	5	10~250	10~250
SUTLLA	Adhesive	15	10~250	10~250



⚠ The price of this product is the unit price shown in the table multiplied by material multiplier:
(Unit Price) x Material Multiplier = Unit Price of Standard Type

Part Number	Type	T	A	Unit Price
SUTLL	No Adhesive	5	10~100	-
SUTLLA	Adhesive	15	10~100	-

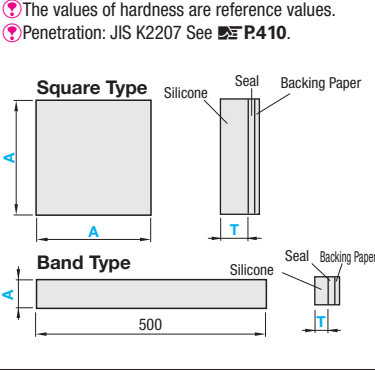
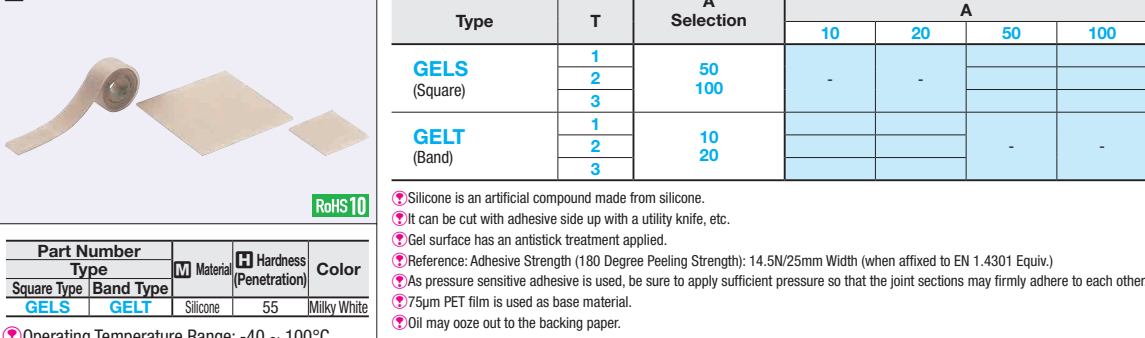
Features of Extra Low Hardness Urethane

- 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	○	○	○	×	○

Silicone Gel Sheets



Part Number	Type	T	A Selection	Unit Price
GELS	Square	1	50	
GELT	Band	1	10	

- Silicone is an artificial compound made from silicone.
- It can be cut with adhesive side up with a utility knife, etc.
- Gel surface has an antistick treatment applied.
- Reference: Adhesive Strength (180 Degree Peeling Strength): 14.5N/25mm Width (when affixed to EN 1.4301 Equiv.)
- As pressure sensitive adhesive is used, be sure to apply sufficient pressure so that the joint sections may firmly adhere to each other.
- 75µm PET film is used as base material.
- Oil may ooze out to the backing paper.

