

# Shock Absorbing Bumpers, Shock Absorbing Foam

- 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 P410 for Circular Type.

### Shock Absorbing Bumpers

Plate Type  
**GELP** (B dimension 10)

(B dimension 30)

Holder Type  
**GELH**

6 68 6 7.5 C/0.5

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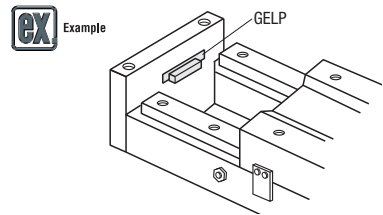
17.5 C/0.5 6 68 6 7.5 C/0.5

Gel **M** Material Viscoelastic Elastomer (Gray)  
**H** Hardness GELP Asker F85  
 GELH Asker F75 (lower), Asker F98 (upper)

Plate **M** Material ABS

Part Number	Type	B	A	H	A <sub>1</sub>	B <sub>1</sub>	t	Unit Price
<b>GELP</b>	Plate Type	10	30	5	10	15	35	4
<b>GELH</b>	Holder Type	10	50	10	10	15	15	

Ordering Example Part Number **GELP10**



### 20% Compressive Load Test Results

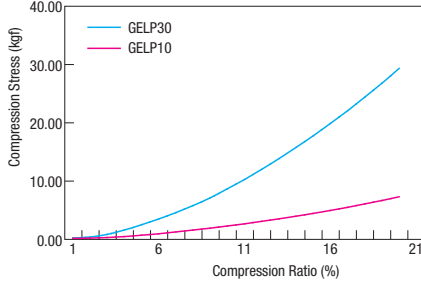
Part Number	GELP10	GELP30	GELH10
20% Compression Load Average (kgf)	7.2	29.2	0.9

- **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.

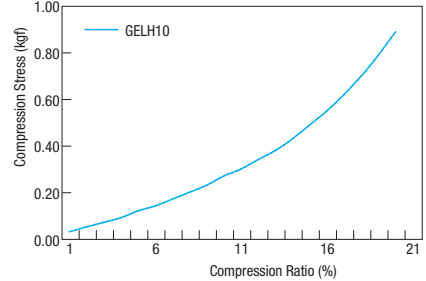
### Precaution for Use

- 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 damping. Best suited for receivers for workpieces.

### Shock Absorbing Foam



Type	Material		Color
	Main Body	Adhesive Part	
<b>PRGCS</b>	Copolymerized Foam of Acrylic, Urethane and Rubber	Acrylic Adhesive	Black
<b>PRGCW</b>	Copolymerized Foam of Acrylic, Urethane and Rubber	Adhesive	White

⚠ Peel off backing paper to adhere it to an object. Be sure to clean any oil or dust off the affixed surface.  
 ⚠ Can be cut with a utility knife. Cut with the adhesive side up. Remove the protective film from the surface before use.

### Properties

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

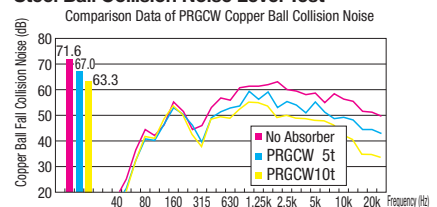
### Features

- 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 SUS304)
- ⚠ Products of thickness 5T and 10T are laminated.

Part Number	Type	T Dimension Tolerance	A Selection	B Selection	Unit Price					
					B100	B200	B300	B400	B500	
<b>PRGCS</b> <b>PRGCW</b>	3	±1	100	100						
			400							
			800							
	5		100		200					
			400		300					
			800		400					
10	100	500								
	400									
	800									

Ordering Example Part Number **PRGCS3 - 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.