

Shock Absorbing Bumpers

Plate & Holder Type

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.

Shock Absorbing Bumpers – Plate & Holder Type

RoHS 10

Plate Type
GELP B dimension 10

B dimension 30

Holder Type
GELH

Gel Material: Viscoelastic elastomer (gray)
Hardness: GELP Asker F85
GELH Asker F75 (lower), Asker F98 (upper)
Plate Material: ABS

20% Compressive Load Test Results

Part Number	Type	B	A	H	A ₁	B ₁	t
GELP	Plate Type	10	50	5	80	15	4
		30				35	
GELH	Holder Type	10		10		15	

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 in repeated three times. Above are the mean values of three measurement results.

ⓘ These are not guaranteed values but an example of a set of measured values.

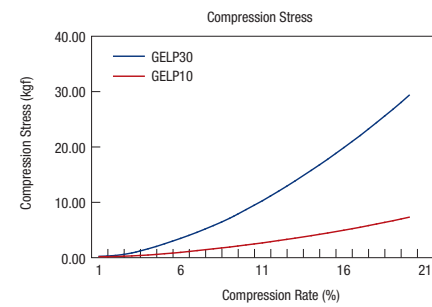
Precaution for Use

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

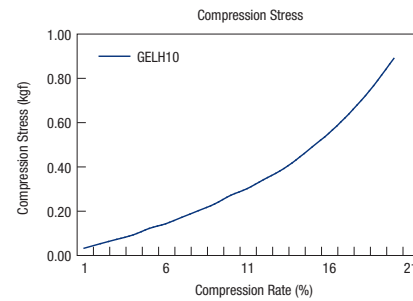
Part Number Example

Part Number: **GELP10**

Compressive Load Test Result (Plate Type)



Compressive Load Test Result (Holder Type)



Application Example

Shock Absorbing Foam

Shock Absorbing Foam

RoHS 10

Type	Material		Color
	Main Body	Adhesive Part	
PRGCS	Copolymerized Foam of Acrylic, Urethane and Rubber	Acrylic Adhesives	Black
PRGCW			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

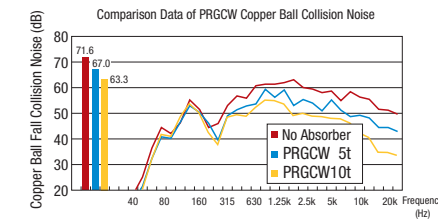
Item	PRGCS	PRGCW
Density	0.32g/cm ³	
Tensile Strength	4.5kg/cm ²	
Elongation	250%	
Impact Resilience Rate	0.1 or Less	

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 304 Stainless Steel)

Part Number	Type	T	A	B
PRGCS PRGCW	3		100	100
			400	
			800	
	5		100	200
			400	
			800	
10		100	300	
		400		
		800		

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 (200, 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.

Part Number Example

Part Number: **PRGCS3 - 100 - 200**