



SOFT SILICONE GEL TAPE & CHIPS



FEATURES

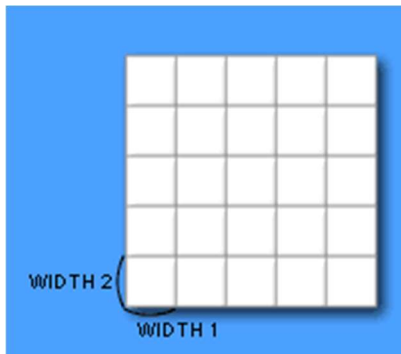
- Easy to install solution.
- Wide selection of sizes.
- Temperature range: -10°C to 100°C

The silicone gel tape and chips are easy to cut shock absorbent sheets that are supplied with adhesive one side for easy application. The gel tapes and chips use the Theta-5 gel material, which is both soft and strong, and provides excellent shock absorbing and vibration damping functionality. Idea solution for applications where no space is available for traditional stud mounts or bushes.

We have soft silicone gel sheet and HDD/PCB silicone gel bushes made of the same gel material.

Dimensional Data

Gel Chip Dimensions



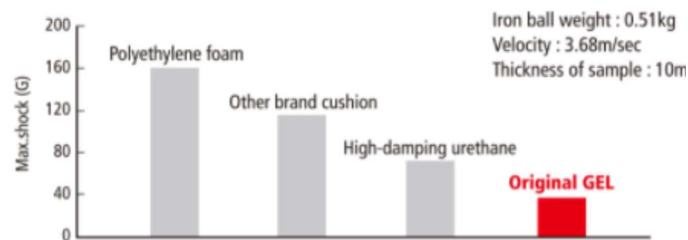
Chip (25 units per sheet)

Part Number	Size (mm)
C-1	10 x 10 x 3
C-2	10 x 10 x 5
C-3	15 x 15 x 3
C-4	15 x 15 x 5
C-5	15 x 15 x 10
C-6	20 x 20 x 3
C-7	20 x 20 x 5
C-8	20 x 20 x 10

Tape

Part Number	Size (mm)
T-1	1000 x 10 x 1
T-2	1000 x 20 x 1
T-3	1000 x 10 x 2
T-4	1000 x 20 x 2
T-5	1000 x 10 x 3
T-6	1000 x 20 x 3

[Maximum Shock : Iron ball drop]



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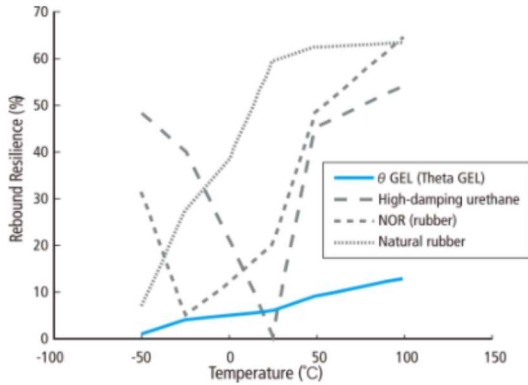
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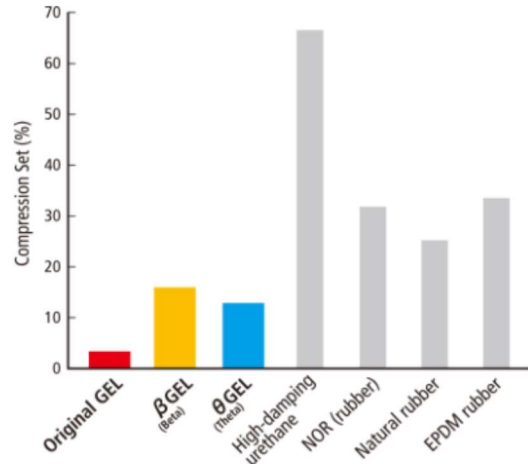
[Rebound Resilience]

Alpha GEL is temperature-independent when compared with other comparable materials.



[Compression Set]

Even after prolonged compression, Alpha GEL returns to its original state.

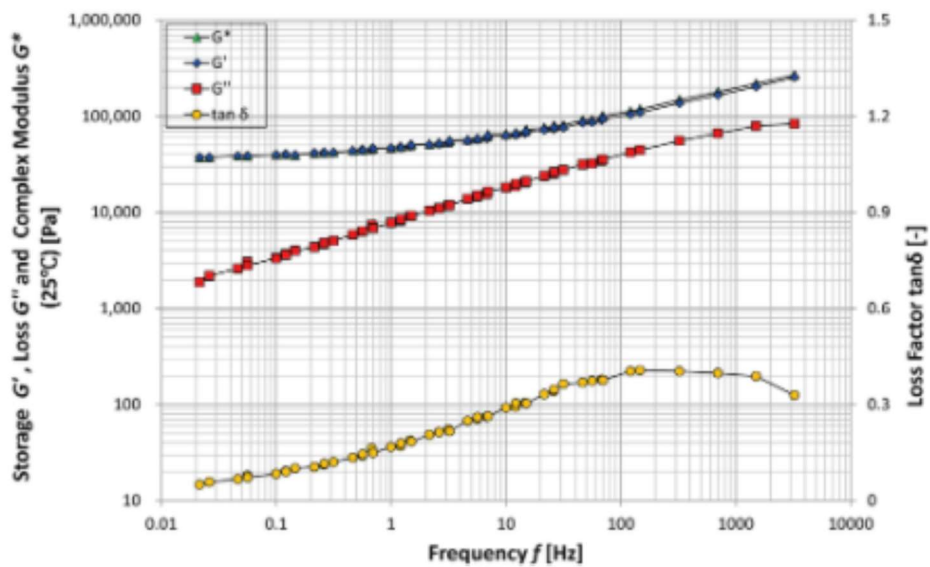


※Measurement (JIS K 6262)

① Compress by 25% and maintain for 22 hours at 70°C.

② Release compression and measure after 30 minutes at normal temperature.

[θ-5, Frequency response]



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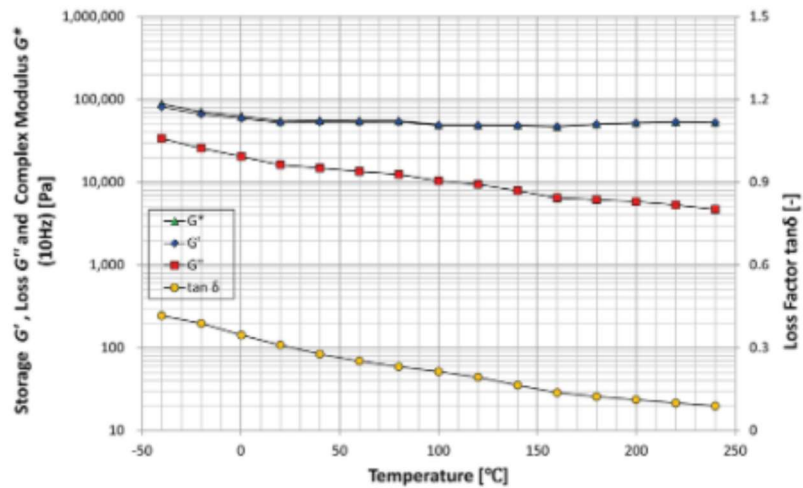
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[θ-5, Temperature response]



Material Properties

Gel Type		5	Remark
Appearance		Translucent	-
Hardness	Needle penetration (1/10mm)	55	JIS K 2207
	Asker C(2)	-	SRIS 0101
Shore A Equivalent (appx)		14	-
Specific Gravity		1.05	-
Tensile Strength		1.17	JIS K 6251
Elongation %		710	JIS K 6251
Young Modulus (kPa)		119.5	-
Specific Heat (j/g.K)		1.52	DSC
Thermal Conductivity (W/m.K)		0.20	-
Specific Volume Resistance Ratio (Ω-cm)		2.9 * 10 ⁴	JIS K 6911
Dielectric Breakdown Strength (kV/mm)		15.1	JIS K 2110
Chemical Resistance	Toluene	X	JIS K 6258 Room Temp x 168h
	Acetone	X	
	Methanol	O	
	Distilled H2O	O	
	Fuel	X	
	Lubricant	X	
	NaCl (10%)	O	
	HCl (10%)	O	
NaOH (5%)	O		
Normal Temperature Range (°C) without adhesive		-40 to 200	-
Normal Temperature (°C) with adhesive (appx)		-40 to 100	-

Notes on use:

Before use, remove dust from the object.

Attach with even pressure after removing the separation liner paper and attach with even pressure.

Apply sufficient pressure to securely attach PSA (pressure sensitive adhesive).

Powder is applied to the surface of the gel to prevent sticking.

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