



## SOFT SILICONE GEL TAPE & CHIPS



- High Performance In Narrow Space Enclosures.
- Provide Shock, Vibration Protection and Improved Audio Fidelity.
- Ideal For Handheld Applications, Fragile Components and Audio Components.
- Stable Performance from -40°C up to 100°C with Adhesive.
- Stable Performance from -40°C up to 200°C without Adhesive.
- High Performance at 2mm+ Thickness.

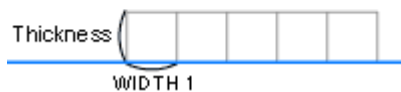
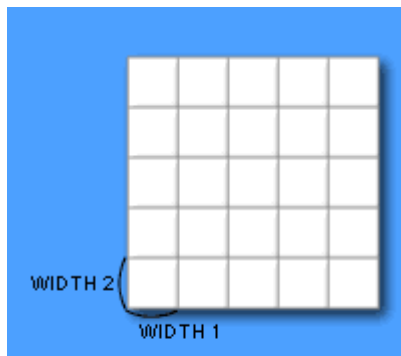
Ultra soft silicone gel sheet for reducing structureborne vibrations and shock absorption. High shock absorption Ideal for broad temperature range, extreme shock and vibration environments. Adhesive one side, simply cut and attach. Low compression set. Soft enough to have enough warp for high damping and shock absorbing performance. An egg dropped from 20 meter high does not break on a sheet of this gel. This soft gel absorbs micro and low frequency vibrations not eliminated by rubbers and other damping materials. The gel also absorbs shocks and is soft enough to have enough warp for high damping and shock absorbing performance. Outstanding shock absorption characteristics by means of dispersing impact three dimensionally due to its unique molecular structure.

Low temperature dependency with stable performance from -40°C up to 100°C with adhesive. Without adhesive -40c to 200c. Performs in any weather. Excellent chemical resistance. Low compression set with performance staying the same even after repeated use. Contains nothing harmful. Environment friendly. Toxic free when burned. Compress by up to 33% for optimum performance. Various sizes available below. Can also be supplied in custom sizes and without adhesive.

We have soft gel sheet and grommets made of the same gel material. Also see our soft silicone free gel sheet.

### 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

#### Gelmec UK

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## SOFT SILICONE GEL TAPE & CHIPS

### Material Properties

Gel Type		7	Remark
Appearance		Translucent	-
Hardness	Needlepenetration (1/10mm)	100	JIS K 2207
	Asker C(2)	-	SRIS 0101
Shore A Equivalent (appx)		10	-
Specific Gravity		1.06	-
Tensile Strength		0.23	JIS K 6251
Elongation %		480	JIS K 6251
Young Modulus (kPa)		37.5	-
Specific Heat (j/g.K)		1.51	DSC
Thermal Conductivity (W/m.K)		0.20	-
Specific Volume Resistance Ratio (Ohms-cm)		2.9 * 10 <sup>14</sup>	JIS K 6911
Dielectric Breakdown Strength (kV/mm)		16.3	JIS K 2110
Chemical Resistance	Toluene	X	JIS K 6258 Room Temp x 168h
	Acetone	X	
	Methanol	O	
	Distilled H <sub>2</sub> O	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	-

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