



## SILICONE GEL SHOCK FOAM / NP GEL SERIES



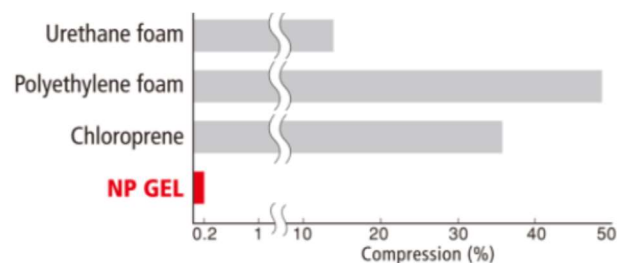
### Features

- Lightweight and highly durable.
- Low compression set.
- Highly flame retardant.
- Good for outdoor use.

The NP silicone shock foam is a light and durable material. Unlike traditional polyurethane foam, the NP series has a very low compression set, does not wear out easily, can be used in a wide range of temperatures, and has high long-term reliability. With a low compression set, the performance is maintained even after repeated compression. The silicone foam is highly ozone and weather resistant, making it an ideal solution for outdoor use.

### Material Properties

Item / Unit	Silicone Foam	Remark
Appearance	Green or White	-
Sheet size (mm)	3x450x2000 (green) 6x300x1000 (white)	
Specific Gravity	0.26	-
Tensile Strength	0.32	JIS K 6251
Elongation %	73	JIS K 6251
Young Modulus (kPa)	269.5	-
Specific Heat (j/g.K)	1.15	DSC
Thermal Conductivity (W/m.K)	0.06	-
Specific Volume Resistance Ratio (Ohms-cm)	3.8 * 10 <sup>14</sup>	JIS K 6911
Dielectric Breakdown Strength (kV/mm)	3.8	JIS K 2110
Chemical Resistance	Toluene	X
	Acetone	X
	Methanol	O
	Distilled H <sub>2</sub> O	O
	Fuel	X
	Lubricant	X
	NaCl (10%)	O
	HCl (10%)	O
NaOH	O	
Normal Temperature Range (°C)	-40 to 200	-



※Measurement (JIS K 6401)

① Compress by 50% and maintain for 22 hours at 70°C.

② Release compression and measure after 30 minutes at normal temperature

### Gelmecc UK

Marcom House, 1-2 Steam Mill Lane, Great Yarmouth, Norfolk, NR31 0HP

Telephone: +44(0) 1493 668622

Email: sales@gelmecc.co.uk Website: www.gelmecc.co.uk