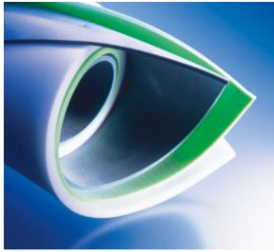


SILICONE FOAM SHEET

Series: NP



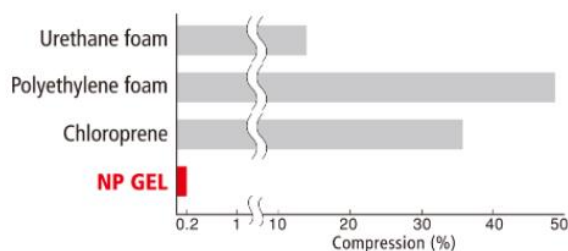
- Low compression set compared to polyurethane foam.
- Does not wear out easily and excellent long-term reliability.
- Performance is maintained even after repeated compression.
- Highly flame retardant with temperature range -40°C to +200°C.
- Ideal for outdoor use due to high resistance to weather and ozone exposure.
- Custom sizes and shapes available.
- Typical applications include sports mats, shoe cushioning/insoles, sports helmets/accessories, home appliances and office equipment.
- ROHS and REACH SVHC complaint, Halogen Free

Shock Absorption Guide

Item	NP GEL	Test Method
Sheet Size	3x450x2000mm (Green) 6x300x1000mm (White)	-
Specific Gravity	0.26	-
Hardness	Needle Penetration (1/10mm)	-
	Asker C	JIS K 7312
Tensile Strength (MPa)	0.32	JIS K 6251
Elongation (%)	73	JIS K 6251
Young's Modulus (kPa)	269.5	-
Specific Heat (J/g.K)	1.15	DSC
Thermal Conductivity (W/mk)	0.06	-
Volume Resistivity (Ωcm)	3.8 x 10 ¹⁴	JIS K 6911
Dielectric Breakdown Strength (kV/mm)	3.8	JIS C 2110
Chemical Resistance	Toluene	X
	Acetone	X
	Methanol	O
	Distilled H2O	O
	Fuel Oil	X
	Lubricant Oil	X
	NaCl (10%)	O
	HCl (10%)	O
NaOH (5%)	O	
Temperature Range °C	-40 ~ 200	JIS K 6258 Room temperature x 168 h

Powder is applied to surface.

Compression Set



※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