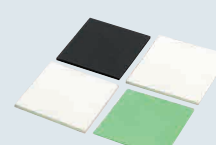


Low Elasticity / Antistatic Low Rebound / Low Strain Sponge Sheets

Low Elasticity / Antistatic Low Rebound / Low Strain Sponge Sheets



RoHS 10

No Adhesive	Adhesive	Material	Hardness	Color
SUNSET	SUNSETA	Low Elasticity Rubber Sponge (Hanenaito® Sponge)	Asker C25	Black
SPTA	—	Antistatic Low Rebound Sponge	Asker C27	White
SNPG	—	Low Strain Sponge (Silicone Foam)	Asker C15	Green (T 3 mm) White (T 6 mm)

① Adhesive thickness is 0.14~0.2 mm. ② Hanenaito® is a registered trademark of Naigai Rubber Industry Co., Ltd.
③ The values of hardness are reference values. ④ The adhesive's heat resistance limit is 60° C.

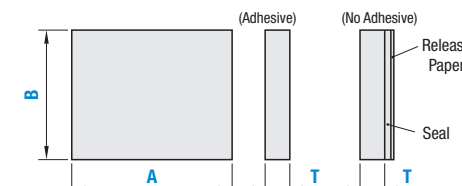
Accuracy Standards

T Dimension Tolerance

T	Tolerance
3, 5	±0.5
6~20	±1.0

A / B Dimension Tolerance

A / B	Tolerance
190 or Less	±1.5
200~390	±2.0
400 or More	±3.0



Adhesive (No Adhesive)
Release Paper Seal

Part Number	10 mm Increment		T Selection
	A	B	
SUNSET SUNSETA	20~500	20~350	3 5 8 10
SPTA	20~500	20~500	5 10 15 20
SNPG	20~500	20~300	3 6

Part Number Example

Part Number - A - B - T
SUNSET - 500 - 350 - 10

① A≥B

Part Number	T	A	Available Types			
			20~100	110~200	210~300	310~350
No Adhesive SUNSET	3	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
	5	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
	8	20~100	•	—	—	—
		110~200	•	•	•	•
		210~300	•	•	•	•
		310~400	•	•	•	•
10	20~100	•	—	—	—	
	110~200	•	•	•	•	
	210~300	•	•	•	•	
	310~400	•	•	•	•	

Part Number	T	A	Available Types				
			20~100	110~200	210~300	310~400	410~500
SPTA	5	20~100	•	—	—	—	—
		110~200	•	•	—	—	—
		210~300	•	•	•	•	•
		310~400	•	•	•	•	•
	10	20~100	•	—	—	—	—
		110~200	•	•	•	•	•
		210~300	•	•	•	•	•
		310~400	•	•	•	•	•
	15	20~100	•	—	—	—	—
		110~200	•	•	•	•	•
		210~300	•	•	•	•	•
		310~400	•	•	•	•	•
20	20~100	•	—	—	—	—	
	110~200	•	•	•	•	•	
	210~300	•	•	•	•	•	
	310~400	•	•	•	•	•	
3	20~100	•	—	—	—	—	
	110~200	•	•	•	•	•	
	210~300	•	•	•	•	•	
	310~400	•	•	•	•	•	
6	20~100	•	—	—	—	—	
	110~200	•	•	•	•	•	
	210~300	•	•	•	•	•	
	310~400	•	•	•	•	•	

Features

Low Elasticity Rubber Sponge (Hanenaito® Sponge)

- It is low elasticity rubber (Hanenaito®) foam.
- Excels in shock absorption.
- Lightweight with specific gravity at 0.3.

Antistatic Low Rebound Sponge

- It is bridge foam of styrene-type elastomer.
- Excellent shock absorption

Low Strain Sponge (Silicone Foam)

- It is a silicone foam.
- The material resists crushing, even after repetitive impact absorption.
- Usable in a very wide temperature range of -40°C~150°C.

- ① Peel off the protective film on the surface before use.
- ② For Adhesive Type, the adhesion strength decreases under high temperature (at approx. 80°C or more).
- ③ The temperature of continuous use is the temperature at which long-term use does not cause a sharp decline in quality.
- ④ Compression Set JIS K6262
- ⑤ Values in the table to the right are for reference and not guaranteed.


Characteristics of Sponges

Item	Unit	Low Elasticity Rubber Sponge	Antistatic Low Rebound Sponge	Low Strain Sponge
Apparent Density	g/cm ³	0.3	0.097	0.26
Air Bubble	—	Independent Air Bubble	Independent Air Bubble	Independent Air Bubble
Tensile Strength	Mpa {kgf/cm ² }	0.9 {9}	0.9 {9}	0.32 {3.2}
Elongation	%	480	210	73
25% Compression Set	%	62	5.1	0.2
Temp. of Continuous Use	°C	20~60	10~50	-40~150
Abrasion Resistance	—	Good	Good	Acceptable
Anti-Aging	—	Acceptable	Acceptable	Excellent
Water Resistance	—	Acceptable	Excellent	Excellent
Chemical Resistance	Oil (Gasoline)	Poor	Poor	Poor
	Acid	Poor	Good	Excellent
	Alkali	Poor	Good	Excellent
	Organic Solvent	Poor	Poor	Poor

EPT Sealer® Sponge Dust-Proof General-Purpose Sponge

A semi-closed cell foam can be compressed at a small stress, and it changes its structure to open cell by compression. Provides superior sealing effects against air and fluids.

EPT Sealer® Sponge – Dust-Proof General-Purpose Sponge



RoHS 10

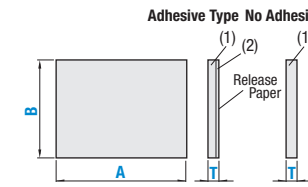
EPA Adhesive Type
EPAN No Adhesive Type
EPAOP Adhesive Type

① A≥B

Type	Material	
	(1)	(2)
EPA	EPDM Synthetic Rubber Foam (EPT SEALER®)	Adhesive with Unwoven Cloth Base Material
EPAOP	EPDM Synthetic Rubber Foam (Opsealer®)	Adhesive with Net Base Material

① EPT Sealer® is a registered trademark of Nitto Denko Corporation.
② Opsealer® is a registered trademark of Sanwa Kako Co., Ltd.

Adhesive Type No Adhesive Type



① Adhesive thickness is 0.16mm.

Part Number	10 mm Increment		T Selection
	A	B	
EPA EPAOP EPAN	20~500	20~400	3 5 8 10 15 20 25 30

Part Number Example

Part Number - A - B - T
EPA - 100 - 80 - 8
EPAOP - 200 - 100 - 30
EPAN - 150 - 100 - 10

Accuracy Standards

T Dimension Tol.		A / B Dimension Tol.	
T	Tolerance	A / B	Tolerance
3~10	±1.0	20	±2.0
15~25	±2.0	30~50	±2.5
30	±2.5	60~140	±3.0
		150~290	±6.5
		300~500	±9.0

Part Number	T	A	Available Types			
			B			
			20~100	110~200	210~300	310~400
EPA EPAN EPAOP	3	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
	5	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
	8	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
10	20~100	•	—	—	—	
	110~200	•	•	—	—	
	210~300	•	•	•	•	
	310~400	•	•	•	•	

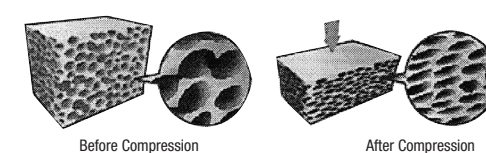
Part Number	T	A	Available Types			
			B			
			20~100	110~200	210~300	310~400
EPA EPAN EPAOP	15	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
	20	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
	25	20~100	•	—	—	—
		110~200	•	•	—	—
		210~300	•	•	•	•
		310~400	•	•	•	•
30	20~100	•	—	—	—	
	110~200	•	•	—	—	
	210~300	•	•	•	•	
	310~400	•	•	•	•	

Features of EPA / EPAN

This product is made of a semi-closed cell foam, available for compression in the condition of low stress. After compression, it can be made into independent air bubble.

This product is a high performance sealer that has the capability of filling gaps to shut out heat, water and sound.

Semi-Closed Cell Structure



Characteristics Values

Item	EPA	EPAOP
Color	Black	Black
Specific Gravity	0.11	0.08
Tensile Strength (Mpa)	0.08	0.1
Elongation (%)	450	205
Compression Hardness (25%) (kg/cm ²)	0.03	0.04
Compression Hardness (50%) (kg/cm ²)	0.05	0.05
Compression Rate (%)	50	—
	60	✘
	70	▲
	80	●
90	●	

- : No measurement data
- : No leakage of water after 30 mins
- ▲ : Leakage of water is seen within 30 mins
- ✘ : Leakage of water is seen within 10 mins