

Countermeasure product to prevent contamination

The first in the industry!  
Silicone sponge responding  
to a metal detector  
Usage : Packing, etc



# KINZO™

## Characteristics

- This is a silicone sponge sheet that reacts with a metal detector.
- It can be used as a part of food-related production equipment, and any missing parts can be detected by a metal detector.  
(However, the size of the debris that can be detected varies depending on the sensitivity setting of the detector and the operating environment.)
- Compliance with the Food Sanitation Law (MHW Notification No. 370)
- This system complies with the revised RoHS directive.

## Specification

- Hardness : 20° Color : Blue adhesive tape can also be processed.
- Product Basic size 1mm up-to 20mm / 1m x 1m

Test items	Unit	Measured value	Test Conditions
<b>Normal physical properties</b>			
Apparent density	g/cm <sup>3</sup>	0.44	JIS-K7222
Skin hardness	Asker Type E	20	JIS-K6253
Slice surface hardness	Asker Type E	17	
Tensile strength	Mpa	1.33	JIS-6251
Elongation	%	300	
Tear strength	N/mm	3.6	JIS-K6252
25% Compressive load	kPa	81	JIS-6254
50% Compressive load	kPa	230	
<b>Aging test</b>			
Hardness change	Point	+1	JIS-6257 (180°C × 72h)
Percentage change in tensile strength	%	+2	
Rate of change in growth	%	+4	
25% Compression permanent strain	%	21	JIS-6767 (150°C × 22h)
Volume resistivity	Ω·m	1.4 × 10 <sup>12</sup>	JIS-K6271
Thermal conductivity	W/m·k	0.083	JIS-A1412-2

※This data is only an example of measured values and is not a standard value.

# Silicone sponge responding to a metal detector

## KINZO List of standard products

### No double-sided tape processing

Type	Thickness	Standard Dimensions (mm)
KZ1-1000-1000	1mm	1000×1000
KZ1-500-1000	1mm	500×1000
KZ2-1000-1000	2mm	1000×1000
KZ2-500-1000	2mm	500×1000
KZ3-1000-1000	3mm	1000×1000
KZ3-500-1000	3mm	500×1000
KZ4-1000-1000	4mm	1000×1000
KZ4-500-1000	4mm	500×1000
KZ5-1000-1000	5mm	1000×1000
KZ5-500-1000	5mm	500×1000
KZ6-1000-1000	6mm	1000×1000
KZ6-500-1000	6mm	500×1000
KZ7-1000-1000	7mm	1000×1000
KZ7-500-1000	7mm	500×1000
KZ8-1000-1000	8mm	1000×1000
KZ8-500-1000	8mm	500×1000
KZ9-1000-1000	9mm	1000×1000
KZ9-500-1000	9mm	500×1000
KZ10-1000-1000	10mm	1000×1000
KZ10-500-1000	10mm	500×1000

### Double-sided tape processing available

Type	Thickness	Standard Dimensions (mm)
KZ1-1000-1000-P	1mm	1000×1000
KZ1-500-1000-P	1mm	500×1000
KZ2-1000-1000-P	2mm	1000×1000
KZ2-500-1000-P	2mm	500×1000
KZ3-1000-1000-P	3mm	1000×1000
KZ3-500-1000-P	3mm	500×1000
KZ4-1000-1000-P	4mm	1000×1000
KZ4-500-1000-P	4mm	500×1000
KZ5-1000-1000-P	5mm	1000×1000
KZ5-500-1000-P	5mm	500×1000
KZ6-1000-1000-P	6mm	1000×1000
KZ6-500-1000-P	6mm	500×1000
KZ7-1000-1000-P	7mm	1000×1000
KZ7-500-1000-P	7mm	500×1000
KZ8-1000-1000-P	8mm	1000×1000
KZ8-500-1000-P	8mm	500×1000
KZ9-1000-1000-P	9mm	1000×1000
KZ9-500-1000-P	9mm	500×1000
KZ10-1000-1000-P	10mm	1000×1000
KZ10-500-1000-P	10mm	500×1000

※1t to 9t are double-sided slices, 10t are double-sided slices or with one-sided surface.

※Product basic size : 20 mm x 1 m x 1 m . (thickness : 1 mm to desired size)

※The basic color is only blue.

※Please feel free to contact us for further information.

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