

## Conductive Sponge - CuNi

### Properties

Material	27% ( $\pm 3$ ) Dacron, 26% ( $\pm 3$ ) Polyester, 17% ( $\pm 2$ ) Copper, 13% ( $\pm 2$ ) Nickel, & paste layer		
Colour	Silver		
Thickness (mm)	1.3mm $\pm$ 0.3	2.5mm $\pm$ 0.5	3.5mm $\pm$ 0.5
Width (mm)	1200mm $\pm$ 5	1200mm $\pm$ 5	1200mm $\pm$ 5
Weight (g/m <sup>2</sup> )	170g/m <sup>2</sup> $\pm$ 20	245g/m <sup>2</sup> $\pm$ 30	285g/m <sup>2</sup> $\pm$ 30
Surface Resistivity ASTM-F390	$\leq 0.5 \Omega/\text{sq.in.}$		
Salty atmosphere test 5% for 48 hours at 35°C ASTM B117-03	$< 0.5 \Omega/\text{sq.in.}$		
Vertical Resistivity	$\leq 1.0 \Omega/\text{sq.in.}$		
Cohesive force PSTC 1 Mod	$\geq 1.0 \text{ kgf/in.}$		
Decomposition temperature	200 °C		
Self-ignition temperature	$> 250 \text{ °C}$		

### Storage & Transport conditions

Temperature Range	-20°C to +40°C
Relative humidity	$\leq 65\%$
Other considerations	Keep in the dark, do not expose to direct sunlight, keep dry and do not place under heavy objects
Shelf life	6 months

### Shielding Effectiveness

(SJ20524-1995)

Frequency	Attenuation dB
10MHz	$\geq 60$
3GHz	$\geq 60$



## Hazardous Identification

No physical or chemical hazardous components

## Proposed controls

Handling with gloves is advisable.

## First aid procedure

Inhalation	Not applicable
Skin contact	Wash with water
Eye contact	Rinse with water
Ingestion	Do not induce vomiting. Seek medical attention

## Fire fighting measures

Extinguishing media	All standard fire fighting media
Special fire fighting procedures	None known

Long term contact may, in rare circumstances, cause sensitivity / skin discomfort for some people; Wearing gloves is recommended when handling.

Dispose of waste material in accordance with local regulations.

There are no indications that this product has harmful effects on the environment.



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