

Conductive Sponge - CuNi

Properties

Material	27% (± 3) Dacron, 26% (± 3) Polyester, 17% (± 2) Copper, 13% (± 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 ²)	170g/m ² \pm 20	245g/m ² \pm 30	285g/m ² \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	$> 250^\circ\text{C}$		

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	≥ 60
3GHz	≥ 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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