

CONDUCTIVE NON-WOVEN FABRIC 4770

Copper/Nickel conductive non-woven fabric for EMI shielding applications.



Our Copper/Nickel conductive non-woven fabric combines highly conductive metals with lightweight fabric to meet a diverse range of EMI/RFI shielding requirements. Manufactured with our patented technology, this metallized fabric is available in various woven and non-woven substrate configurations.

We use a patented technology for applying thin metal coatings of copper and/or nickel to woven and non-woven fabrics. As a result these metallized materials have the flexibility conformability and breathability of a fabric with the electrical properties of a metal. This means low surface and through resistivity and excellent shielding effectiveness.

The Conductive non-woven fabric can be cut into any desired shape, on the basis of your supplied drawing. This material can also be provided with a conductive or non-conductive adhesive.

APPLICATIONS

- Protects against EMI/RFI and ESD where weatherability is not a concern;
- Architectural EMI/RFI shielding gaskets
- Conductive tape for example for cable shielding
- EMI shielding laminates for example for grounding

PRODUCT SPECIFICATIONS

Item	Unit	Specifications (0.19 mm thick version)	Specifications (0.30 mm thick version) (Standard)	Test standard
Max. width	mm	1000		GB/T4667-1995
Thickness	mm	0.19 ± 0.03	0.30 ± 0.05	FZ/T01003-1991
Weight	gr/m2	85 ± 10	165 ± 20	GB/T4669-1995
Surface resistivity	Ω / sq	< 0.03		ASTM F390
Basis material		polyest		-
Polyest content	%	60 ± 5		-
Copper content	%	21 ± 3		-
Nickel content	%	19 ± 3		-
Storage conditions		-20 °C - 40 °C, relative humidity < 65%		-
Fire point	°C	250 °C, never self-ignite		-
Fire extinguisher		fire extinguisher, water, carbon		-
Waste handling		Non-toxic, tasteless, does not decompose		-

Notice: Some people develop skin allergy after long contact

Please note: 0.30 mm thick version is the standard stock version

ORDER EXAMPLE

Part number	Width (mm)	Length (mm)	Thickness (mm)	Adhesive
4770	Specify the desired width in mm.	Specify the desired length in mm.		01: Standard self-adhesive 02: Without self-adhesive 03: With conductive self adhesive