

4770 - Conductive non-woven fabric

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 nonwoven fabrics. As a result this 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



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



Conductive non-woven texture



Conductive non-woven fabric is available in 0.19 and 0.30 mm thickness

Product specifications

Item	Unit	Specifications		Test standard
		(0.19 mm thick version)	(0.30 mm thick version)	
Max. width	mm	1000		GB/T4667-1995
Thickness	mm	0.19 0.03	0.30 0.05	FZ/T01003-1991
Weight	gr/m ²	85 10	165 20	GB/T4669-1995
Surface resistivity	/ sq	0.03		ASTM F390
Basis material		polyest		
Polyest content	%	60 5		
Copper content	%	21 3		
Nickel content	%	19 3		
Storage conditions		-20C - 40C, relative humidity 65%		
Fire point	C	250C, never self-ignite		
Fire extinguisher		fire extinguisher, water, carbon		
Waste handling		Non-toxic, tasteless, does not decompose		

Notice: Someone, skin allergy after long touching

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Series	Width (mm)	Length (mm)	Thickness (mm)	Back
4770	<input type="text"/> Specify the width in mm	<input type="text"/> Specify the length in mm	<input type="text"/> Select an option: 0.19 : 0.19 mm thick version 0.30 : 0.30 mm thick version	<input type="text"/> Select an option: 1 : Standard self-adhesive 2 : Without self-adhesive 3 : With conductive self adhesive