

SEMI-CONDUCTIVE NON-WOVEN 4771



Semi-Conducting non waven tapes primary function is to equalize the field current around the conductor or core and to ensure electrical contact with the earthing system. This reduces the electrical stress on the insulation material and enhances performance. They can also be used to prevent electrolytic corrosion of metallic armour layers.

BENEFITS

- Good bedding performance
- Good conductive properties
- Strong material

APPLICATIONS

- ESD lining
- EMI shielding of cables
- Shielding and electric field control

ORDER EXAMPLE

Part number	Thickness (mm)	Width (mm)
4771	0.15 : 0.15 mm 0.18 : 0.18 mm 0.30 : 0.30 mm 0.50 : 0.50 mm	Specify the width in mm
	Length (mm)	Adhesive
	Specify the length in mm	1 : Standard self-adhesive 2 : Without self-adhesive 3 : With conductive self-adhesive

TECHNICAL SPECIFICATION AND PART NUMBERS

Properties	4771-0.15	4771-0.18	4771-0.30	4771-0.50	Test method
Thickness (mm)	0.15	0.18	0.30	0.50	ISO 9073-2
Mass per unit area (g/m ²)	100	65	60	95	ISO 9073-1
Tensile strength (N/cm)	60	35	35	60	ISO 9073-3
Elongation (%)	13	13	13	14	ISO 9073-3
Specific length resistivity (Ωcm)	5	800	800	600	DIN 54345 Part 5
Volume resistivity (kΩcm)	10	25	10	10	DIN 54345 Part 1
Service temperature (°C)		< 140			IEC 60216 (TIS 045)
Processing temperature (°C)		< 225			(TIS 045)
Composition		Polyester Polyacrylate Carbon impregnation			
Max. width		960 mm			

These values are measured under laboratory conditions. In other situations results may differ. Please read our Guarantee.