

AMUCOR FOIL WITH A REINFORCEMENT NET 4706

Amucor foil with reinforcement net for EMI shielding where a strong but also very wide shielding film is required



Many EMI problems can be solved easily by the use of Amucor foil or tape. When there is a very broad and strong shielding foil required, than our 4706 Amucor foil with reinforcement net can provide the solution. The shielding foil can be produced with or without (conductive) self-adhesive and an optional insulation layer.

Amucor foil with reinforcement net can be cut to any width and can be delivered from stock. The most commonly used width is 1000mm. Standard roll length is 16.5 meters.

Amucor foil with reinforcement net can also be deliver as die-cut, according to your drawing, on strip or in pieces (as a sticker), with optional self-adhesive.

OPTIONS

- Fire-retardant version
- With (conductive) self-adhesive backing
- With insulation layer
- Die-cutting in any shape according to CAD drawing



Big amucor cage for drone testing

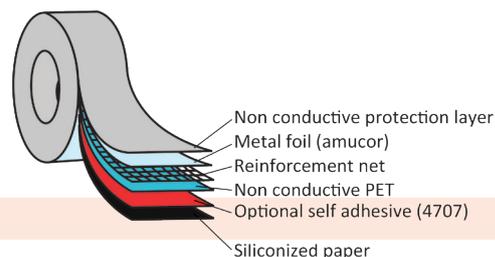
APPLICATIONS

- EMI shielding of plastic enclosure parts (EMI/RFI shielding tape/gasket)
- Shielding all non-conductive materials
- Ground plane
- Anti static floor (ESD floor)
- Electrical connection between surfaces (sheets / foils)
- Die-cuts
- Shielding in housings and Faraday cages
- Temporary shielding during tests
- Mounting transparent foils, windows for EMI/RFI shielding
- Cable shielding (Wrap around the cable)
- Temporary shielding during emission and immunity tests

AMUCOR FOIL WITH A REINFORCEMENT NET (4706)

Amucor foil can also be produced with a strengthening reinforcement net. Because the material with the reinforcement net is so strong, it can be produced in a very large width of 3100mm. This material is designed to cover walls and floor for protection against unwanted radio frequencies (RF). The material can also be used to very quickly create a shielded room, for example from a wooden box.

Amucor foil with a reinforcement net can be produced as a foil (4706) without self-adhesive but can also be produced as tape (4707), with standard adhesive.



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TECHNICAL SPECIFICATION AND PART NUMBERS

Part number (Foil without adhesive)	4701 Max. width 1100 mm	4716 Max. width 1100 mm	4706 Max. width 3100 mm
Part number (Tape with standard adhesive)	4702 Max. width 1100 mm	4717 Max. width 1100 mm	4707 Max. width 1100 mm
Part number (Tape with conductive adhesive)	-	4718 Max. width 1100 mm	-
Part number (Foil with standard self adhesive and an insulation layer (UL94V-0) 0.15 mm (white))	4704 Max. width 900 mm	4719 Max. width 900 mm	4709 Max. width 900 mm
Part number (Foil with standard self adhesive and an insulation layer (UL94V-0) 0.22 mm (black))	4705 Max. width 1100 mm	4720 Max. width 1100 mm	4710 Max. width 1100 mm
Construction			
Foil material	Amucor	Amucor and PET	Amucor with a reinforcement net
Surface	Bright	Bright	Bright
Foil thickness	0.023mm	0.35mm	-
Total thickness	0.048mm	0.3725mm	-
Adhesive	Synthetic conductive resin	Synthetic conductive resin	-
Adhesive performance	4.5 N/cm	4.5 N/cm	-
El. resistance through adhesive	0.003 Ohm	0.003 Ohm	0.003 Ohm
For tape, standard roll widths (mm) *	10, 25, 50, 100	10, 25, 50, 100	10, 25, 50, 100
Roll lengths	Min. 16.5m (standard) Other roll lengths on request		

* Other dimensions on request. Please note: At the top of the metal is a thin insulation layer for protection against corrosion

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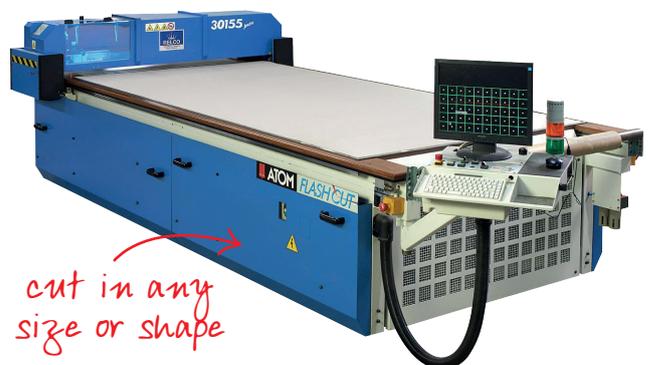


SHIELDING PERFORMANCE*

There are many factors that influence the true effectiveness of a EMI/RFI shielding tape when applied, such as type and thickness of foil, type of adhesive, closeness of contact, smoothness of application surface, strength and frequency of the EMI/RFI signal, etc. Still, an attenuation value can be determined using standard tests and fixtures.

ORDER EXAMPLE

Part number	Width (mm)	Length (mm)
See part number table above for other embodiments of the shielding film	Amucor foil with reinforcement net can be delivered up to 3100mm and is suitable for shielding a complete room. Other foils can be delivered up to 1100mm width.	Specify the length in mm



*Notice

Information supplied in these data sheets is based on independent and laboratory tests which Holland Shielding Systems BV, hereafter referred to as HSS believes to be reliable. HSS has no control over the design of customer's product which incorporates products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

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