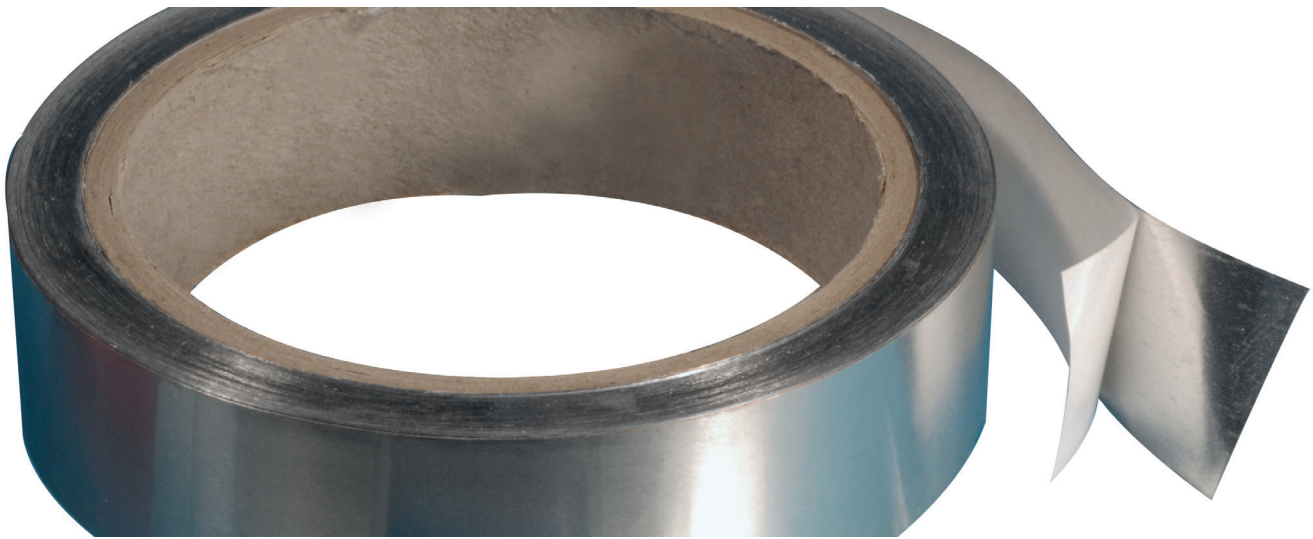


# AMUCOR TAPE SERIES 4700

Amucor foil and tape for EMI shielding. Amucor foil or tape can be used to shield plastic housings and enclosures



Many EMI problems can be solved easily by the use of Amucor foil or tape, a commonly used material. Amucor foil and tape can be produced with or without (conductive) self-adhesive and an optional insulation layer.

Amucor tape can be cut to any width starting at 3mm and can be delivered from stock. The most commonly used width is 25mm. The standard roll length is 16.5 meters.

If coverage of large surfaces is needed, it is usually best to use tape with a conductive self-adhesive in combination with foil. This solution is much cheaper than only using tape.

Amucor foil can also be delivered as die-cut, according to the customer's drawing, on a strip or in pieces (stickers), with optional self-adhesive.

## OPTIONS

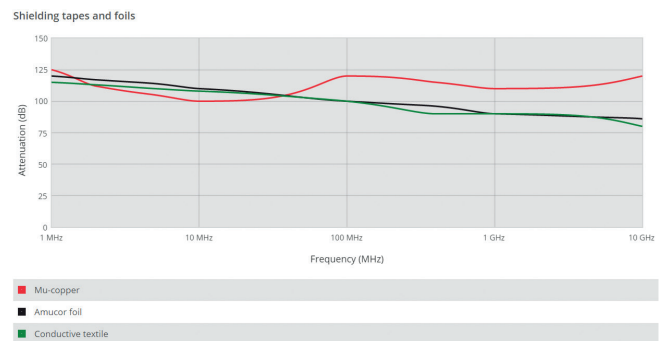
- Fire-retardant version
- With (conductive) self-adhesive backing
- With insulation layer
- Die-cutting to any shape according to CAD drawing

## 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 (wrapped around the cable)
- Temporary shielding during emission and immunity test

## SHIELDING PERFORMANCE\*

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

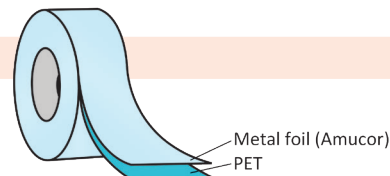


## AMUCOR FOIL 4701

The reinforced Amucor foil is both cost effective and heat resistant. This thin foil can be applied easily to any surface and any shape of housing. We can also supply the foil, which is 0.04mm thick, in a die-cut version.

## ADVANTAGES

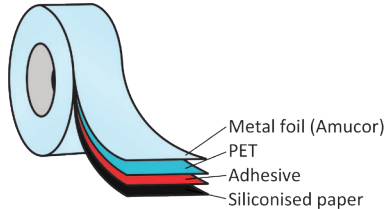
- Cost-effective
- Easily follows the contours of the housing
- Fire-retardant
- Extremely strong
- Corrosion free



## » AMUCOR TAPE SERIES 4700

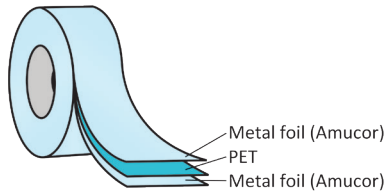
### AMUCOR TAPE WITH STANDARD ADHESIVE (4702)

This is an Amucor tape (type of aluminum) that is 11 microns thick, reinforced with polyester (23 microns thick) and with an acrylic adhesive on the back.



### AMUCOR FOIL WITH PET IN THE MIDDLE (4716)

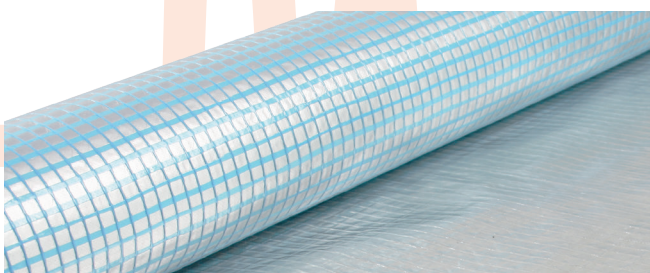
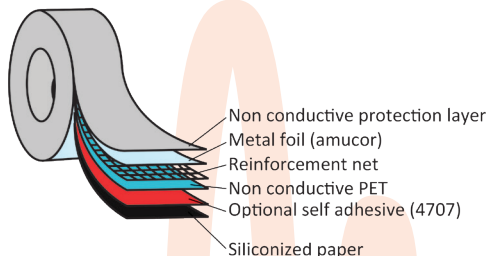
Amucor foil + PET film + Amucor foil. This product consists of two layers of 11 microns thick Amucor with a 23 microns layer of polyester in between. This material is extremely strong.



### AMUCOR FOIL WITH A REINFORCEMENT NET (4706)

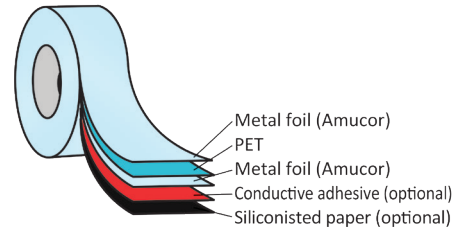
Amucor foil can also be produced with a strengthening reinforcement net. Because the reinforcement net makes this material so strong, it can be produced in a very large width of 3100 mm. This material is designed to cover walls and floors for protection against unwanted radio frequencies (RF). The material can also be used to quickly create a shielded room, for example by covering the walls of a wooden box. Please note: at the top of the metal is a thin insulation layer for protection against corrosion.

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



### AMUCOR TAPE WITH PET IN THE MIDDLE AND CONDUCTIVE ADHESIVE (4718)

Sandwich tape consisting of two layers of Amucor (11 microns thick) with polyester (23 microns thick) in between and a conductive adhesive on the back.



### 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	-
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	-
Construction			
Foil material	Amucor +PET	Amucor + PET + Amucor	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

### ORDER EXAMPLE

Part number	Width (mm)	Length (meters)
Please choose a part number out of the table	Specify the width of the tape in mm	Specify the length of the tape in meters