

Athena 2500

Aluminium Foil Tape with Conductive Adhesive

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GENERAL INFORMATION

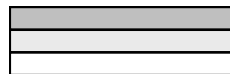
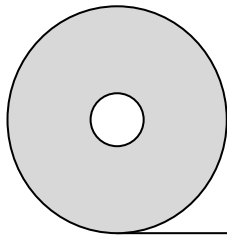
Athena 2500 is an aluminium foil tape coated with a conductive adhesive. It has a good adhesion, bonds well on many surfaces, and is moisture resistant.

- 0,065mm thick
- Conductive acrylic adhesive
- Temperature resistant up to 155°C
- Creates a moisture barrier

Athena 2500 is available in all dimensions but standard widths are:

- 12mm x 33m
- 19mm x 33m
- 25mm x 33m
- 50mm x 33m

CONSTRUCTION



- White paper liner
- Conductive acrylic adhesive
- Aluminium foil carrier

APPLICATIONS

Athena 2500 is used for a wide range of electrical applications. The tape is good for applications that require electrical conductivity from substrate through the adhesive and to backing. The tape is also good when the application requires a tape that leads heat/coldness, isolate or diverting static electricity and applications requiring a "point-to-point" electrical contact, such as grounding. Typical applications are for example:

- Grounding
- EMI/RFI shielding and connector shielding
- Bonding of conductive surfaces
- Static charge draining pluscable

USER GUIDELINES

To obtain optimal adhesion the surfaces must be clean and dry. Most frequent cleaning solvent is isopropyl/water (50:50 mixture) alcohol. Use safety instructions before using cleaners. Sometimes depending on surface a primer can be used to obtain a higher bonding force. Ideal temperature for tape application is between 21°C and 38°C. Usually electronic components and devices do not need to be cleaned as above.

All values above are average values and are not to be specific. To be sure about finished result we recommend that you do testing and use the product to determinate the function of the tape for your application. ATC Adhesive Tape Converting AB does NOT take any responsibility or liability direct or consequential for any loss or damage caused by using our product.

PRODUCT DATA

Physical Data:

Adhesive:	Conductive acrylic
Carrier:	Aluminium foil
Thickness:	Carrier: 0,040mm Adhesive: 0,025mm Total: 0,065mm
Liner:	White siliconised paper
Colour:	Aluminium
Shelf life*:	5 years
Storage:	Good storage conditions are in room temperature. Not recommended for direct exposure to sunlight or ultraviolet light.

* From date of dispatch by ATC Tape Converting AB

Performance Data:

Tensile strength:	25 N/10mm
Adhesive strength:	4,5 N/10mm
Electrical resistance through adhesive**:	0,005 Ohms
Electrolytic corrosion factor:	A 1.0
Elongation:	8 %
Heat resistance:	Up to +155°C

** Tested according to MIL STD 202F Method 307 across surface area of 1 sq.inch

USAGE

All metal foil based tapes have a tendency to be malleable, which may have an impact on the tape's performance. Therefore, it is important to remove any deformations or kinks that may occur when applying the tape. This can be accomplished by smoothly rolling the tape once it has been applied in position. This process will remove all deformations that can arise during manual application of the tape.

CONTACT INFORMATION

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