

Athena 2011

Polyimide Film Tape with Silicone Adhesive

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GENERAL INFORMATION

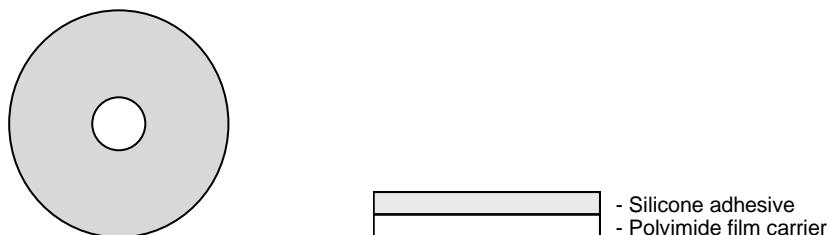
Athena 2011 is a polyimide film tape coated with a high-temperature silicone adhesive. Adheres well on many types of surfaces and is mainly used for electrical applications.

- 0,065mm thick
- Silicone adhesive
- Temperature resistant up to 300°C
- UL list 220°C

Athena 2011 can be die-cut for custom made parts and is available in all dimensions but standard widths are:

- 7mm x 33m
- 9mm x 33m
- 12mm x 33m
- 20mm x 33m

CONSTRUCTION



APPLICATIONS

Athena 2011 is mainly used for various high-temperature electrical applications. The high temperature resistance also makes it suitable as masking tape when powder coating or similar surface treatments.

- Insulation
- PCB wave soldering
- Wrapping coils, transformers, and capacitors
- Wire harnessing
- Masking tape

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: | Silicone |
| Carrier: | Polyimide film |
| Thickness: | Carrier: 0,025mm Adhesive: 0,040mm Total: 0,065mm |
| Liner: | - |
| Colour: | Amber |
| Shelf life*: | 12 months |
| 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:

| | |
|----------------------------------|-----------------|
| Adhesion to steel: (PSTC-101) | 6 – 8,5 N/25mm |
| Tensile strength: (PSTC-31) | 75 N/25mm |
| Breakdown voltage: (PSTC-51) | 5 Kv |
| Elongation: (PSTC-31) | 35 % |
| Heat resistance: | -73°C to +300°C |

CONTACT INFORMATION

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