

# Athena 2011

## Polyimide Film Tape with Silicone Adhesive

Created: 2007-03-20  
Updated: 2018-01-04

### GENERAL INFORMATION

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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.

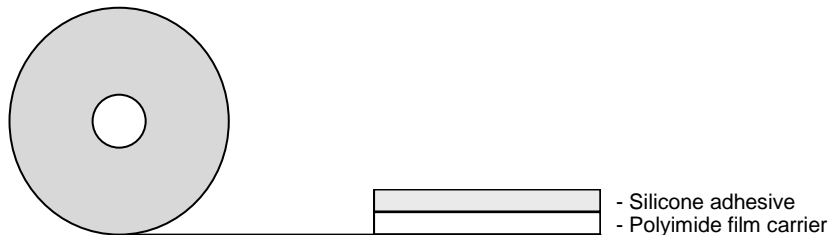
- 0,065mm thick
- Silicone adhesive
- Temperature resistant up to 300°C
- UL list 220°C

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

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### APPLICATIONS

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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

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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.

## PRODUCT DATA

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### 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)	5,8 N/25mm
Tensile strength: (PSTC-31)	115 N/25mm
Breakdown voltage: (PSTC-51)	7,1 Kv
Elongation: (PSTC-31)	50 %
Heat resistance:	-73°C to +300°C

## CONTACT INFORMATION

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