

Athena 2111

Polyimide Film Tape with Silicone Adhesive

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GENERAL INFORMATION

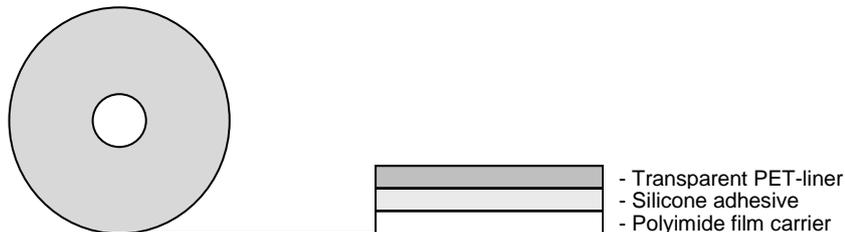
Athena 2111 is a polyimide film tape coated with a high-temperature silicone adhesive. Equipped with a transparent PET-liner which make it very suitable for die-cutting.

- 0,060mm thick
- Silicone adhesive
- Temperature resistant up to 400°C
- UL list 180°C

Athena 2111 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 2111 adheres well on many types of surfaces and 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.

PRODUCT DATA

Physical Data:

Adhesive:	Silicone
Carrier:	Polyimide film
Thickness:	Carrier: 0,025mm Adhesive: 0,040mm Liner: 0,036mm Total: 0,10mm
Liner:	Transparent PET
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)	2,5 N/10mm
Tensile strength: (PSTC-31)	50 N/10mm
Dielectric strength:	5,900 Volts
Liner adhesion:	10-20 cN/25mm
Elongation: (PSTC-31)	50 %
Heat resistance:	-73°C to +400°C

CONTACT INFORMATION

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