

# High Temperature Polyimide Tape

PA 06/09/12/25

## Description

High Temperature Polyimide Tape is a single-sided silicone adhesive tape coated with polyimide film. Suitable to use for high temperature masking applications. The tape provides heat insulation and protects fragile components during manufacture. The tape will remove cleanly leaving no adhesive residue after exposure to heat. Please note that this tape does not contain any anti-static properties (Non-ESD). This tape should not be used in areas where electrostatic sensitive components are present. All custom sizes and special tape requirements can be quoted on request.



## Key Features

- ⚡ High temperature resists 260°C.
- ⚡ Gives heat insulation and protects fragile components during manufacture.
- ⚡ Strong tensile strength.
- ⚡ Heat-resistant silicone adhesive polyimide tape.
- ⚡ High-temperature resist, solvent resistant, stable and reliable.
- ⚡ Easy peel-off no glue residue.
- ⚡ Suitable for PCB 3D printing and transformer insulation.
- ⚡ Offer sheet or roll material or die-cut processing.
- ⚡ All rolls are 33m long.
- ⚡ Non-ESD.

## Tape Size

- ⚡ PA06 - 6mm width high temperature tape.
- ⚡ PA09 - 9mm width high temperature tape.
- ⚡ PA12 - 12mm width high temperature tape.
- ⚡ PA19 - 19mm width high temperature tape.
- ⚡ PA25 - 25mm width high temperature tape.

## Customise

- ⚡ 500m length for machine use.
- ⚡ 1000m/2000m/3000m in reel and spool.



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## Application

- ⚡ The high-temperature masking of electrical parts.
- ⚡ Polyimide polymers film exhibits an excellent balance of physical, chemical, and electrical properties over a wide temperature range.
- ⚡ PCB gold finger masking and protection under high-temperature wave soldering.
- ⚡ Solar panels.
- ⚡ Electronics, Due to its large range of temperature stability, and its electrical isolation ability, polyimide tape is usually used in electronic manufacturing as an insulation and protection layer on electrostatic sensitive and fragile components.
- ⚡ 3D printing, Polyimide tape is the perfect accessory to cover your build platform during a 3D print. It can withstand the heating and cooling of a built platform. Certain plastics such as ABS filament adhere particularly well to polyimide tape making it perfect to use when a heated build platform is required.
- ⚡ Thermal Transfer Printing, High-temperature resistance, and clean removal make the polyimide tape great for mug press, heat press, and other thermal transfer printing applications. Will not go brittle after exposure to heat.

Properties	Typical Values
Colour	Amber
Backing Thickness (mm)	0.025mm
Adhesive Thickness (mm)	0.035mm
Total Thickness (mm)	0.06mm
Standard Length	33m / 36yd
Core	Plastic
Core Diameter	76mm
Adhesion to Steel (kg/25mm)	0.6~0.7
Tensile Strength (kg/25mm)	10-13
Temperature Resistance (°C)	260°C
Voltage Resistance (kv)	10 <sup>6</sup> - 10 <sup>9</sup>
Elongation at Break (%)	≥60
Storage	Normal conditions, 10 - 30°C





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