

# Polyimide Adhesive Tape

## ChemTools Polyimide Adhesive Tape Temperature Resistant Tape

### Properties

Polyimide Adhesive Tape is manufactured from a polyimide film coated with a heat resistant silicone adhesive that will not leave any residue.

Also known as Kapton® tape or high temperature masking tape within many manufacturing industries, it is ideal for masking prior to wave soldering, insulating circuit boards, winding coils, transformers and high temperature powder coating. It has a high dielectric strength and Polyimide Adhesive Tape can withstand temperatures up to 260°C/500°F

### Advantages:

- ◆ Thin and conformable enabling masking of uneven surfaces
- ◆ Wide operating temperature range up to 260°C
- ◆ Removes cleanly without adhesive residue after exposure to heat
- ◆ High performance silicone adhesive
- ◆ High strength backing provides superior resistance to puncture and tear
- ◆ High resistance to chemical attack

### Specifications

Property	Unit	Value
Nominal Film Thickness	mm	0.025
Nominal Adhesive Thickness	mm	0.035
Breakdown Strength	KV	≥ 5.0
Tensile Strength	N/25mm	≥115
Elongation	%	≥35
Peel Strength	N/25mm	≥4.5
Working Temperature	°C	180 (long term) 260 (15 minutes)
Short Term Ultimate Working Temperature	°C	-73 to +268



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ChemTools Polyimide adhesive tapes are all RoHS compliant.

## Availability

Supplied on reels containing 33m in the following widths, 4, 6, 8, 10, 12, 16, 24, 36mm

Part Numbers: KT-2304 through to KT-2336 (last 2 numbers denote the width).

Pre-cut disks are also available in diameters of 3.2, 6.35, 7.9 and 9.5mm  
Please enquire for availability.

## Storage & Shelf Life

Store under dry, cool conditions of between 10° to 30°C and 40 to 70% R.H. in their original packaging.

Shelf life is 12 months when stored as recommended.

Kapton® is a registered trademark of E. I. du Pont de Nemours and Company

**PRECAUTIONS:** This product capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material.

**Warranty:** All products purchased from or supplied by Chemtools are subject to terms and conditions set out in the contract. Chemtools warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Chemtools is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Chemtools makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.

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