



TECHNICAL DATA SHEET

A NEW FORCE IN CHEMICAL MANUFACTURING

AEROSOLS | WELDING CHEMICALS | ADHESIVES & THREADLOCKERS | ANTI-SEIZE & GREASES | CLEANING CHEMICALS & SOLVENTS | ELECTRICAL & ELECTRONICS

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Rapidstick™ Polyimide Adhesive Tape

PART NUMBER	ROLL SIZE	WIDTH	PACK SIZE
KT-2304-BL8	33 Meters	4mm	8
KT-2306-BL6	33 Meters	6mm	6
KT-2308-BL4	33 Meters	8mm	4
KT-2310-BL3	33 Meters	10mm	3
KT-2312-BL3	33 Meters	12mm	3
KT-2316-BL2	33 Meters	16mm	2
KT-2324-BL1	33 Meters	24mm	Single
KT-2336-BL1	33 Meters	36mm	Single

PRODUCT DESCRIPTION

Chemtools® Rapidstick™ Polyimide Adhesive Tape, made from polyimide film and a cross-linked silicone adhesive, is a flame and heat resistant high temperature tape designed for both permanent and temporary bonding. It is suitable for wide variety of applications in the automotive, aerospace, and industrial manufacturing industries, including 3D printing, fibre optics, semi-conductors, smart cards, and solar panels. It can withstand high temperature powder coating and anodising operations, features an exceptionally thin backing that leaves no residue or stain upon removal, and resists punctures, abrasion, and tearing - but can be trimmed easily with a sharp razor blade.

Polyimide Adhesive Tape is ideal for electrical and thermal insulation in demanding electrical and electronic environments, effectively used in hand soldering and mass soldering applications, including wave soldering.

Common uses in these industries include:

- Adhering ABS and PLA to heat beds
- Temporary securing of components
- Wire and cable wrapping
- Masking gold contacts during soldering
- Preventing unwanted electrical connections
- Insulating coil from high temperatures

Polyimide Adhesive Tape is high performing with excellent solvent, acid, and oil resistance, minimal shrinkage after baking, high vibration resistance, and unique mechanical properties such as a wide temperature range (-75°C to 260°C) and high dielectric strength.



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TYPICAL PHYSICAL PROPERTIES

Note: The following data are nominal values based on ASTM standard tests. The data should not be considered as specifications.

Colour	Amber
Backing	Polyimide film
Adhesion Type	Thermosetting silicone
Film Thickness	0.025mm
Adhesive Thickness	0.035mm
Dielectric Strength	7,000 Volts
Breakdown Strength	5 Kilovolts
Temperature / Class	180°C / H
Insulation Resistance	10 ⁶ Megaohms
Tensile Strength	130N/25mm
Adhesion to Steel	6.8N/25mm
Elongation	40%
Resistance to Acids	Excellent
Resistance to Oils	Excellent
Resistance to Solvents	Excellent
Moisture Resistance	Excellent

FIRST AID & SAFETY PRECAUTIONS

Please refer to Safety Data Sheet (SDS) before use.

STORAGE

Keep out of reach of children. Store in a sealed container in a cool, dry place (between 5°C - 28°C).

DISCLAIMER

Chemtools® has made every effort to ensure the information provided in this Technical Data Sheet is accurate at the time of publication. Chemtools® expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.

FURTHER INFORMATION

Please visit Chemtools® online at www.chemtools.com.au for product photos, marketing materials, Technical Data Sheets, Safety Data Sheets, contact details, and other company/business related information.

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