



Technical Data Sheet

LINQTAPE™ PIT1A-Series

High Temperature Masking & Temporary Bonding Tape – May 2009

Product Description

LINQTAPE™ PIT-Series is a high-temperature resistant polyimide tape designed for both permanent and temporary bonding in many high temperature applications. These applications can be found in semiconductor, smartcard, electronic, automotive and general manufacturing industries.

LINQTAPE™ PIT-Series Tape provides an excellent balance of electrical, mechanical, thermal, and chemical properties over a wide range of temperatures. It can be used in applications that may see temperatures up to 260°C (500°F).

LINQTAPE™ PIT-Series Tape comes in 33 meter (36 yard) rolls of varying widths the standard tape is 1-mil (25.4µm) thick but other thickness up to 5-mil (127µm) are available upon request.



Applications:

- Temporary bonding of thermocouples for oven profiling
- Bonding of devices prior to solder reflow
- Insulating circuit boards
- Masking in high temperature powder applications
- Gold Finger Masking
- Coil Insulation
- High Temperature Harness Wrapping

Product Features & Benefits:

- High Temperature Resistant
- Excellent Masking Tape
- Removes easily after high temperature exposure with no residues

Typical Properties

Typical Properties	Unit	Value
Color		Amber
Adhesion Type		Acrylic
Film (Backing) Thickness		25 µm (1 mil)
Adhesive Thickness		40 µm (1.6 mil)
Total Thickness		65 µm (2.6 mil)
Adhesion to Steel:	N/25mm oz/in	7.1 26
Tensile Strength:	N/25mm lbs/in	13.5 30
Elongation:	%	>55
Dielectric Strength:	Volts	>6500
UL-94 Flammability Rating		V-0
Temperature Resistance	°C °F	260 500

The above figures are typical material properties only and are not to be used for material specification purposes. To generate a specification for this product, please contact our Quality Manager and request a copy of the current stock specification.

Storage and Handling

LINQTAPE™ PIT-Series is supplied in rolls and should be kept in a cool (10°C – 25°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes. Once removed from packaging it should be protected against dust and other impurities.

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Data Ranges

The data contained herein may be reported as a typical value and/or range values based on actual test data and are verified on a periodic basis.

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