



# Technical Data Sheet

## LINQTAPE™ PIT2A-WL Series

Heat Resistant Polyimide Thermal Transfer Printing Label – June 2009

### PRODUCT DESCRIPTION

LINQTAPE™ PIT2A-WL Series is a high-temperature resistant polyimide film topped with a white, thermal-ink printable surface on one side and a permanent, acrylic-based, pressure sensitive adhesive on the back side. PIT2A-WL-Series tapes are mounted on paper release liner for easy application.

PIT2A-WL-Series tapes are designed for thermal transfer printing to create extremely durable asset tags, barcodes and barcode tags or any other alphanumeric identification labels that require extreme durability.

Examples of these applications include, but are not limited to, printed circuit board and similar electronic component identification and tracking, steel and metal alloy identification and other labels that require resistance to temperature extremes, ultraviolet exposure, chemicals, cold storage and freezer conditions.

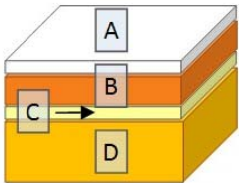
LINQTAPE™ PIT2A-WL Series Tapes are available in Glossy and Semi-Glossy topcoat layers to meet specific printing needs and preferences.



### APPLICATIONS:

- Printed Circuit Board tracking
- Cold / Freezer Storage
- Barcode / Alphanumeric labels
- Product Identification
- Laboratory Samples
- Outdoor applications

### PRODUCT CROSS-SECTION:



- A. 23µm: Thermal Ink Print Layer
- B. 50µm: Polyimide Film Layer
- C. 30µm: Acrylic Adhesive Layer
- D. 110µm: Paper Release Liner

### NOMENCLATURE:

PIT: Polyimide Tape / Film

2: 2mil Backing Thickness

A: Acrylic Adhesive

WL: White Label

G / SG: Glossy or Semi-Glossy Topcoat

### TYPICAL PROPERTIES

TYPICAL PROPERTIES	UNIT	VALUE
Color		White
Adhesive Type		Acrylic
Thermal Transfer Layer	µm (mil)	23 µm (0.9 mil)
Film (Backing) Thickness	µm (mil)	50 µm (2 mil)
Adhesive Thickness	µm (mil)	30 µm (1.2 mil)
Total Thickness	µm (mil)	213 µm (4.1 mil)
Adhesion to Steel:	N/25mm	3.9
	oz/in	14
Elongation	%	>50
Dielectric Strength	Volts	>5000
Temperature Resistance:	°C	260 for 3 min.
	°F	500 for 3 min.

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.

**NOT FOR PRODUCT SPECIFICATIONS.** THE INFORMATION AND RECOMMENDATIONS SUPPLIED IN THIS DOCUMENT ARE BELIEVED TO BE ACCURATE BUT NO GUARANTEE OF THEIR ACCURACY IS MADE; THEY ARE FOR GUIDANCE ONLY AND SHOULD NOT BE CONSTRUED AS A WARRANTY. ALL IMPLIED WARRANTIES ARE EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATIONS ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR USE. IT IS RECOMMENDED THAT PURCHASERS BEFORE USING THIS PRODUCT CONDUCT THEIR OWN TESTS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES UNDER THEIR OWN OPERATING CONDITIONS.

**STORAGE AND HANDLING**

LINQTAPE™ PIT2A-WL Series Tape 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.

When applying LINQTAPE™ PIT2A-WL Series Tape to any surface, be sure that the surface is free of oil, powder, dust or release agent that might interfere with its adhesion to the substrates.

**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.

Rev. B June 2009



**Europe & Asia**

CAPLINQ Nederland  
Dorpsstraat 965  
1566JC Assendelft  
The Netherlands  
Tel: +44 (20) 80902747

**Americas**

CAPLINQ Corporation  
957 Snowshoe Crescent  
Orléans, Ontario K1C 2Y3  
Canada  
Tel: +1 (613) 482.2215

**Worldwide**

[www.caplinq.com](http://www.caplinq.com)  
Email: [info@caplinq.com](mailto:info@caplinq.com)