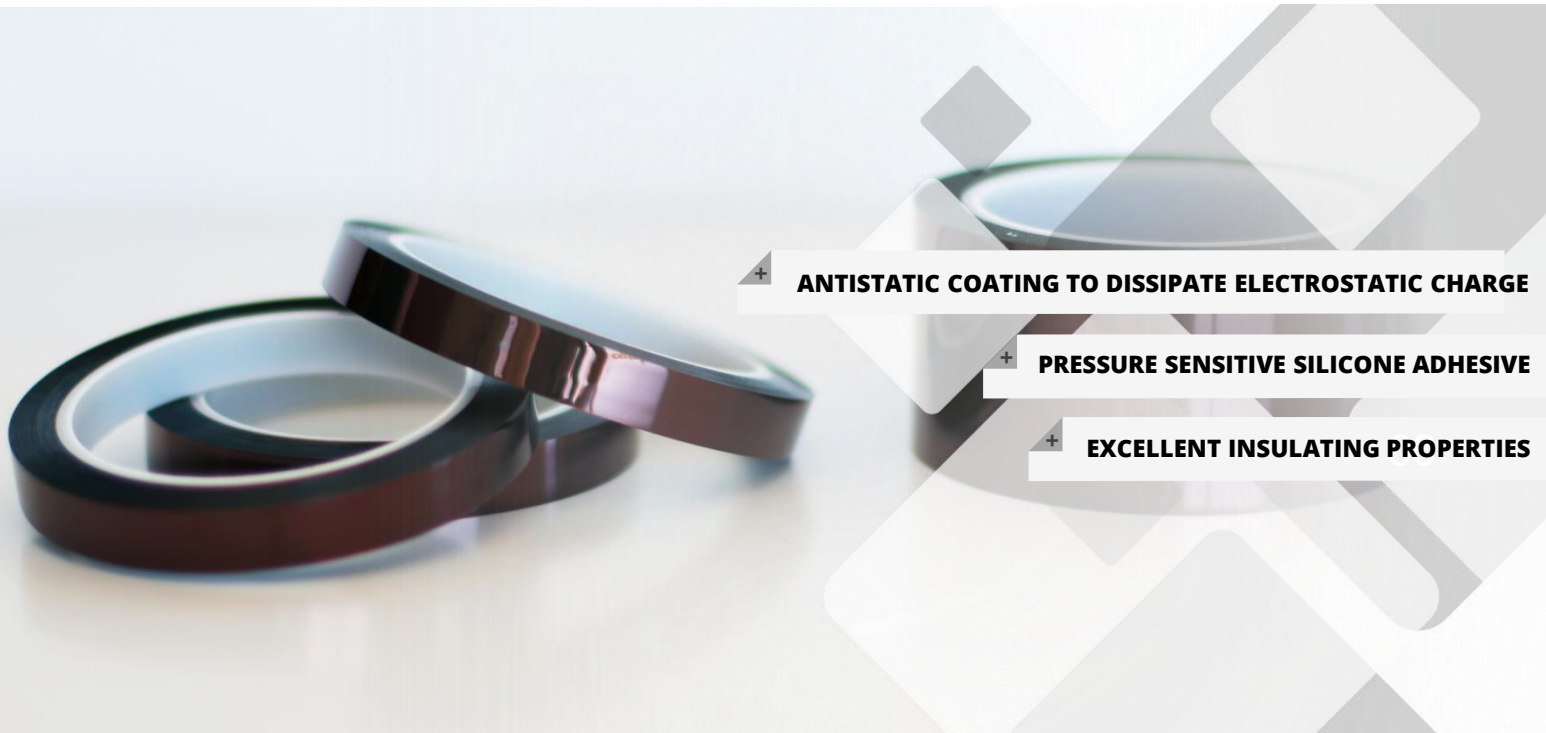


LINQTAPE™ PIT1S-ESD-Series

1 mil antistatic treated polyimide film with silicone adhesive



+ ANTISTATIC COATING TO DISSIPATE ELECTROSTATIC CHARGE

+ PRESSURE SENSITIVE SILICONE ADHESIVE

+ EXCELLENT INSULATING PROPERTIES



PRODUCT DESCRIPTION

Antistatic treated insulating tape of 1 mil thick polyimide film backing with pressure sensitive silicone adhesive.



PRODUCT APPLICATION

Used for high temperature electrical applications, to safely dissipate electrostatic charges and protect static sensitive devices



PRODUCT FEATURES

Suitable for permanent and temporary bonding. Excellent electrical and temperature insulating properties. Can be used in applications up to 260°C (500°F).



PRODUCT DESCRIPTION

LINQTAPE™ PIT1S-ESD Series is a high-temperature resistant, antistatic treated polyimide film mounted with a silicone adhesive. It is designed for both masking and temporary bonding in many high temperature applications found in semiconductor, electronic, automotive and other general manufacturing industries.

LINQTAPE™ PIT1S-ESD Series provides an excellent balance of electrical, mechanical, thermal, and chemical properties over a wide range of temperatures. It has enhanced strength for puncture and tear resistance and can be used in applications that may see intermittent temperatures up to 260°C (500°F).

LINQTAPE™ PIT1S-ESD Series comes as a standard in 36 yard (33m) lengths of varying widths, but longer rolls may be available upon request.



PRODUCT APPLICATION



► Applications

- Dissipate electrostatic charges
- High adhesion to wide range of substrates
- Ideal for wafer dicing and die cutting
- Temporary bonding of thermocouples for oven profiling
- Bonding of devices prior to solder reflow
- Splicing of Insulation layers
- Masking in high temperature powder applications
- Gold finger masking
- Insulating circuit boards and coils
- Wave solder masking tape
- Insulation wrapping of coils, transformers and capacitors.

LINQTAPE PIT1S-ESD Series is used to safely dissipate electrostatic charges before they can build up and cause harmful ESD events to critical electronic components.

LINQTAPE PIT1S-ESD Series has a high dielectric strength which allows them to be used as electrical insulators and isolators. Furthermore, It has a low peel voltage, which means they generate little voltage when unrolled - thereby protecting static sensitive devices by minimizing the electrostatic charges when the tape is applied.

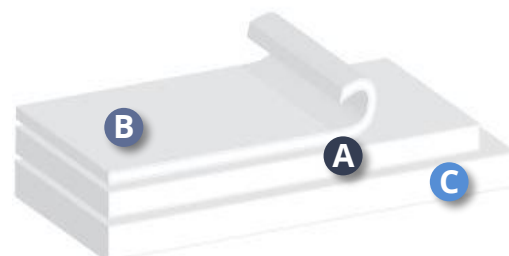
This combination of properties makes the tape suitable for a range of applications including but not limited to batteries, smartphones, tablets and any other application that requires an anti-static polyimide tape.



PRODUCT FEATURES

TYPICAL PROPERTIES	UNIT	VALUE
Color	-	Amber
Adhesion Type	-	Silicone
Film (Backing) Thickness	µm (mil)	25.4 µm (1mil)
Coating Thickness	µm (mil)	1 µm (0.04mil)
Adhesive Thickness	µm (mil)	38.1 µm (1.5mil)
Total Thickness	µm (mil)	64.5 µm (2.54mil)
Adhesion to steel	N/25mm Oz/in	7.0 25.0
Tensile Strength	N/25mm lbs/in	133.5 30.0
Elongation	%	>55
Dielectric Strength	Volts	>5500
Removal from Roll Static Charge @50%RH/23°C ESD Controlled Environment	Volts	<100
Insulation Class		180 (H)
UL-94 Flammability Rating	-	V-0
Temperature Resistance	°C °F	260 500

▶ PRODUCT CROSS-SECTION



- A** Polyimide Film: 25.4 µm
- B** Antistatic Polymer Coating: 1 µm
- C** Silicone Adhesive Layer: 38.1 µm

▶ PRODUCT NOMENCLATURE

- PIT:** Polyimide Tape / Film
- 1:** 1mil Backing Thickness
- S:** Silicone Adhesive
- ESD:** Antistatic Treated

STORAGE AND HANDLING

LINQTAPE™ PIT1S-ESD-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.

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.

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



Europe & Asia

CAPLINQ Netherland
 Provincialeweg 1,
 1561KK Krommenie
The Netherlands
 Tel : +31 (20) 893 2224

Americas

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

Worldwide

www.caplinq.com
 Email : info@caplinq.com