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LINQTAPE **PIT1S-ESD**

1-mil anti-static polyimide film with silicone adhesive

- 1-mil anti-static treated polyimide film
- Silicone adhesive
- 6500 V breakdown voltage

LINQTAPE™ PIT1S-ESD is a high-temperature-resistant polyimide film with a specialized anti-static coating, designed for both permanent and temporary bonding in high-temperature applications across industries like semiconductors, smartcards, electronics, automotive, and general manufacturing. It is ideal for applications that require a balanced combination of electrical, mechanical, thermal, and chemical properties over a wide temperature range. The anti-static polymer coating provides excellent protection against electrostatic discharge (ESD), making **PIT1S-ESD** highly suitable for electrostatic-sensitive environments.

LINQTAPE™ PIT1S-ESD comes in 33 meter (36 yard) rolls of varying widths, but longer rolls may be available upon request.

Specifications

Property	Value	Unit
Color	Amber	–
Adhesive Type	Silicone	–
Film Thickness	25.4 (1)	µm (mil)
Adhesive Thickness	38.1 (1.5)	µm (mil)
Release Liner	None	–
Total Thickness	63.5 (2.5)	µm (mil)
Temperature Resistance	–73 to 260	°C
Tensile Strength	30	lb/in
Elongation	55%	%
Dielectric Strength	6500	V
Adhesion to Steel	25	oz/in
Static Charge (at 50% RH, 70 °F)	Removal from roll: <150 Removal from PWB: <50	V

Storage and Handling

Shelf life is 1 year if stored in a dry and cool, well ventilated place at room temperature.

The product is supplied in rolls and should be kept in a cool (10–25 °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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