

LINQTAPE PIT1A-FRC



1 mil clear polyimide film with flame retardant acrylic adhesive

- 1 mil polyimide film
- Flame retardant acrylic adhesive
- 4000 V breakdown voltage

LINQTAPE™ PIT1A-FRC is a clear high-temperature resistant polyimide film designed for both permanent and temporary bonding in many high temperature applications. It's high breakdown voltage (4,000V) and high temperature resistance make it ideal for applications that require the balancing of multiple properties over a wide temperature range. The FR series has a special **flame retardant acrylic adhesive**, which is rated for applications anywhere from -29 °C to 177 °C. Some applications include gold fingers for protection in wave soldering, ground barrier and phase insulation, and outer wrapping for small bobbin wound coils.

LINQTAPE™ PIT1A-FRC film comes in 33 meter (36 yard) rolls of varying widths. LINQTAPE PIT-A polyimide films with acrylic adhesive are available in a range of thicknesses, starting from 0.5 mil (12.7 µm) thickness and up. Custom thicknesses are available upon request.

Specifications

Property	Value	Unit
Color	Clear	–
Adhesive Type	Flame Retardant Acrylic	–
Film Thickness	25.4 (1)	µm (mil)
Adhesive Thickness	38.1 (1.5)	µm (mil)
Release liner	Yes	–
Total Thickness	63.5 (2.5)	µm (mil)
Temperature Range	-29 to 177	°C
Tensile Strength	20	lbs/in
Elongation	45	%
Breakdown Voltage	4000	V
Adhesion to Steel	14	oz/in

Storage and Handling

Shelf life is 2 years 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 °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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