

LINQTAPE PIT1S-T-RL

1-mil Polyimide Tape | Thin 1mil Silicone Adhesive with Release Liner

- 1mil Polyimide Film
- 1mil Silicone Adhesive
- >6000 Volts

LINQTAPE™ PIT1S-T-RL is the middle ground between normal and ultra thin high temperature tapes. It combines our 1-mil (25.4 micron) thick polyimide film – the generic equivalent of DuPont® Kapton™ HN tape – with a thin 1mil silicone pressure adhesive. This combination makes the PIT1S-T-RL tapes a perfectly balanced product with a total thickness of only 2 mil (50.8µm). Something that ensures the best of both worlds such as excellent adhesion and mechanical strength at high temperatures.

LINQTAPE™ PIT1S-T-RL tapes are high performance, temperature resistant polyimide tapes that use a polyimide film as a backing film. This backing film is the generic version of DuPont’s Kapton HN film and is thin at 1mil (25.4µm) yet is just as flame retardant as its thicker counterparts. Laminated to this is a 1mil (25.4µm) thick pressure sensitive silicone adhesive making the total thickness of the polyimide film plus adhesive only 2mil (50.8µm) thick. PIT1S-T-RL remains both electrically and mechanically stable across temperatures ranging from -269°C to 400°C (-452°F to 752°F).

Property	Value	Method
Film Thickness	1 mil	ASTM D-3652
Silicone Thickness	1 mil	ASTM D-3652
Total Thickness	2mil	ASTM D-3652
Release liner	Yes	-
Tensile strength	30 lb/in	ASTM D-3759
Elongation	55 %	ASTM D-3759
Adhesion to Steel	12.5 Oz/in	ASTM D-3330
Breakdown Voltage	6500 Volts	ASTM D-149
Temperature resistance	260°C	-

Storage and Handling

Shelf life is 2 years at room temperature in a cool and dry place. Do not put in direct sunlight. No special handling is required.

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