



## Technical Datasheet

### Low Static Kapton Tape RoHS Compliant KPTLS Series

Low Static Kapton® Tapes are made of 1 mil thick polyimide film backed by 1.5 mil silicone adhesive with electro-static dissipative (ESD) properties to reduce the static charge. The silicone adhesive leaves no residue. They can withstand temperatures of up to 260 degrees C (500 degrees F). Color is amber and available in 36-yard rolls.

#### Features:

- Thin and conformable enabling masking of uneven surfaces
- Wide operating temperature range from -100°F to 500°F
- Removes cleanly without adhesive residue after exposure to heat
- High performance silicone adhesive
- High strength backing provides superior resistance to puncture and tear
- Designed to minimize the effect of static during stripping and peeling

**APPLICATIONS:** 3D Printing, Aerospace Assembly, Automotive Facilities, Electronic Assembly, Fiber Optics Manufacturing, and Solar Panels

#### TYPICAL PHYSICAL PROPERTIES <sup>(1)</sup>

Color	Amber
Adhesion Type	Silicone
Film Thickness	1 Mil
Adhesive Thickness	1.5 Mil
Adhesion to Steel	25 Oz./in.
Total Thickness	2.5 Mil
Tensile Strength	30 lbs./in.
Elongation	55 %
Dielectric Strength	7000 volts
Operating Temperature	-73 °C (-100°F) to 260°C (500°F)
Resistance to acids, oils, solvents	Excellent
Static Charge: (Measured at 50% RH, 70°F in an ESD controlled environment)	Removal from roll: <150 volts Removal from PWB: <50 volts
Length	36 yards

*Kapton® is a trademark of Dupont*

<sup>(1)</sup> Specifications are subject to change at any time. If you have any questions, please contact us for the latest update.

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