



## Anti-static Polyimide Film Adhesive Tape

### Anti-static Polyimide Film Adhesive Tape/ESD Kapton Tape

Antistatic polyamide film adhesive tape, also known as ESD Kapton Tape, ESD PI Tape, or ESD Polyimide Tape, is manufactured from a polyamide film treated for antistatic properties on both sides. This treatment utilizes proton bombardment technology in a plasma environment, achieving a static index of up to  $10^5$  without adding any additives or coatings, preserving the film's original properties. The adhesive used has double the bonding strength compared to regular products. The tape features a single-sided high-performance silicone pressure-sensitive adhesive. The surface resistance on the back is less than  $10^7$  ohms, while the coated surface is below  $10^9$  ohms. The stripping electrostatic voltage is under 50V, ensuring that electronic components remain safe from static discharge during application.


### Advantages

- **Easy Peeling:** Strong adhesion without leaving any residue upon removal, ensuring a clean surface.
- **High-Temperature Resistance:** Excellent heat insulation, ideal for protecting electronic and electrical components.
- **Peeling Voltage:** Very low peeling voltage ( $\leq 50$  V), making it suitable for PCB processes that require effective anti-static measures.
- **Anti-Static Properties:** Excellent anti-static effect with resistance levels on the back ( $\leq 10^{5 \sim 8} \Omega/\text{sq}$ ) and on the silicone adhesive surface ( $\leq 10^{9 \sim 10} \Omega/\text{sq}$ ).

## Anti-static Polyimide Film Adhesive Tape Properties

Model Name	YS7706SE
Adhesive Type	Silicone
Total Thickness mm(mil)	0.065(2.5)
Back Thickness mm(mil)	0.025(1)
Adhesion to Steel N/cm(oz/in)	2.2(20)
Tensile Strength N/cm(lb/in)	53(30)
Elongation (% at break)	50
Dielectric Strength volts	6,500
Operating Temperature °C(°F)	-73 to +260 (-100 to +500)



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