



Product Data Sheet

Product Description:

Polyimide tape with pre-cured pressure-sensitive silicone adhesive film is specially designed to operate at elevated temperatures higher than polyester. This heat-stabilized film surpasses the dimensional stability of polyester, making it ideal for various applications, including wave soldering, insulating circuit boards, and environments where electrostatic discharge is a concern.

Key Features:

- High dielectric strength
- Highly resistant to heat and chemicals
- Puncture and tear-resistant at high temperatures
- Silicone adhesive protection without leaving any residue
- Temperature resistance up to 500°F / 260°C
- Static charge removal from roll is less than <50 volts

Available Sizes:

- 1/4 "
- 3/8 "
- 1/2 "
- 3/4 "
- 1 "
- Larger sizes available upon special request

General Information:

- Color: Amber
- Material: Anti-static polyimide Film
- Adhesive: Silicone
- Film Thickness: 1 mil or 0.025 mm
- Total Thickness: 2.5 mil or 0.062 mm

- Length: 108 feet (36 Yards) or 32.9 meters

Physical Properties:

- Adhesion to Steel: 0.8-0.9 lbs/inch or 0.35-0.4 kg/25mm
- Tensile Strength: 28-32 lbs/inch or 14-16 kg/25mm
- Elongation at Break: $\geq 50\%$

Electrical Resistivity:

- Static Charge Removal from Roll: <50 volts
- Dielectric Strength: 6-7 KV

Temperature Resistance:

- Operating Temperature: Up to 500°F / 260°C

Chemical Resistance:

- Resistance to Acids, oils, and solvents - Excellent

Applications:

- Wave soldering
- Insulating circuit boards
- Protection against electrostatic discharge
- High-temperature applications where durability is essential

Storage and Handling:

- Store in a cool, dry place away from direct sunlight and moisture.
- Ensure surfaces are clean and dry before applying the tape.
- Avoid exposing the tape to extreme temperatures beyond its specified range.

Safety Precautions:

- Always follow safety guidelines when working with high-temperature materials.
- Use appropriate personal protective equipment when handling the product.