



## JM511 Kapton/Polyimide Tape

**JM511** is a 1mil Kapton/Polyimide tape with a high temperature silicone adhesive. The thin film backing is conformable for use on non-uniform surfaces. **JM511** has superior chemical resistance, high dielectric strength and excellent dimensional stability. **JM511** is often used for gold finger protection during wave soldering, wrapping during electrical insulation and masking during powder coating applications. Available in 1mil, 2mil and 5mil thickness'

### Applications

- Gold finger protection during wave solder
- Masking for powder coating
- Holding, insulating and wrapping

### Product Benefits

- Excellent mechanical and electrical properties
- Good dielectric strength
- High temperature resistance
- Clean removal
- High conformability/resistance to solvents
- Abrasion resistant

### Technical Properties

Total Thickness (not including liner)	2.5 mils
Adhesive Type	Silicone
Adhesion	25 oz/in
Tensile strength	30 lbs/in
Elongation	50%
Dielectric strength	6500
Operating temperature	-22F - 266F

Insulation class

180C

*Values shown are typical. Certified test reports for writing specifications are available.*

## **Recommendations**

Unwind adhesive film or tape and apply the adhesive side to the surface. Apply firm pressure. Recommended application temperature to achieve best results is 65F (18C) or above. Proper bonding may not occur unless adhesive and surface material are both at 65F (18C) or above.

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