



**SUN BRAND**

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# Adhesive Specialities

*Manufacturer of Speciality Adhesive Tapes*

## TECHNICAL DATA SHEET

**Product Code – AS-079-A**

**POLYIMIDE TAPE – 1 mil**

**Description:** Polyimide Tape – 1 mil is a special grade polyimide backing material coated with a high temperature silicone pressure sensitive adhesive.

**Application:** Polyimide Tape – 1 Mil is used for cryogenic insulation, high temperature masking, protection of circuit board's gold finger, 3D printing, heat transfer printing, contacts during wave soldering, insulation for transformers, motors and coil, fibre optics cables, solar panels etc.

**Application Technique:** For best results, ensure the surface is clean, dry and dust free before application of the tape. Apply even and firm pressure for better adhesion results.

### TECHNICAL VALUES

PROPERTIES	VALUES
Base Material	Polyimide Film - 25 µm
Adhesive	Silicone
Total Thickness (mic)	50 ±5 µm
Adhesion to Steel (g/25mm)	600 gms
Tensile Strength (kg/25mm)	12.0 kgs
Heat Resistance	350°C
Insulation Class	H Class
Elongation (% at Break)	55%
Flammability	V-O
Dielectric Breakdown (v)	7,500 v
Insulation Resistance (MΩ)	10 <sup>6</sup>
Available Colour	Amber

**Storage & Shelf Life:** The tape should be stored in a cool and dry place and prolonged exposure to the direct sunlight should be avoided. To obtain best performance, the product should be used within 12 months from the manufacturing date.

[www.adhesivespecialities.co.in](http://www.adhesivespecialities.co.in)

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The technical values are determined by/based on standard tests. Our recommendations on the use of the product are based on reliable in-house tests, but the users are requested to conduct their own test to determine the suitability of the product. Adhesive Specialities will not be responsible for any loss or damage caused as a result of our recommendations.