

Adhesive Specialities

Manufacturer of Speciality Adhesive Tapes

TECHNICAL DATA SHEET

Product Code – AS-077

POLYIMIDE FILM – 1 mil

Description: Polyimide Film – 1 mil is a special grade backing material that exhibits an excellent balance of physical, chemical, and electrical properties over a wide range of temperature with superior dimensional stability and adhesion characteristics.

Application: Polyimide Film – 1 mil is used for insulation in pulling motor, submersible motors, nuclear power generating equipment, high temperature resistance wire and cables, fireproof bus duct, gas mask, flexible PCB, loudspeaker coil 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	VALUE
Base Material	Polyimide Film – 25 µm / 1 mil
Tensile Strength (MD/TD)	135 Mpa
Heat Resistance (°C/hr.)	350° C
Surface Resistance (200°C)	$\geq 1.0 \times 10^{13} \Omega$
Elongation (% at break – MD/TD)	45%
Dielectric Breakdown (v)	7,000 v
Shrinkage	150° C
Frequency Electric Strength	$\geq 150 \text{ MV/m}$
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.

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