

P-224 AMB

1-MIL KAPTON® POLYIMIDE FILM

PRODUCT DESCRIPTION

P-224 AMB is a thin, conformable tape with a high thermal rating, exceptionally high dielectric strength and resistance to various solvents and Freon. The perfect product for non-silicone applications fixing Lithium Ion batteries and as a bar code over laminates. P-224 AMB is ideal to use in the aerospace, electrical and electronic markets.

FEATURES

- Exhibits unique properties of polyimide; thinness, conformability, tear resistance and high adhesion.
- Resistance to various solvents & Freon.
- High performance Kapton® backing ensures consistent quality.
- Well suited in continuous cold and high temperature conditions under various applications.

PRODUCT CONSTRUCTION

KAPTON® POLYIMIDE FILM
ACRYLIC ADHESIVE

APPLICATION

- Our acrylic adhesive permits use within hermetic motor applications and insulating and protecting components subjected to Freon type cleaning agents.
- High thermal rating and high dielectric strength.
- Used in a wide array of different insulating and holding functions such as relays, chokes, toroid's, transformers, reactors, solenoids, aerospace and military equipment.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	1-mil Kapton® polyimide film	
Adhesive	Acrylic	
Color	Amber	
	Imperial	Metric
Total Tape Thickness	2.8 mil	0.071 mm
Tensile Strength	36 lbs/in	126 N/20mm
Elongation	85%	
Adhesion to Steel	30 oz/in	6.57 N/20mm
Dielectric Strength	7,500 volts	7.5kV
Insulation Class UL & CSA	311°F	155°C
Certifications	UL-510 & CSA C-22-2, ISO /IATF/AS: https://www.nitto.com/us/en/about_us/Americas/americas_certification/	
Boeing	SCGMS 63016	
Government Specifications	ASTM D5213 TYPE 1, CLASS A (Replaces obsolete MIL-P- 46112B)	

*CAUTION: The above are typical values and should not be used in writing specifications. Customer is responsible to ensure product meets intended application requirements before approved for use.

SHELF LIFE & GENERAL STORAGE CONDITIONS

The general shelf life and storage conditions for this Nitto, Inc. product are as follows:

- Shelf life for this product is EIGHTEEN MONTHS FROM DATE OF SHIPMENT.
- Best stored between 50°F-80°F / 10°C-27°C, 25-50% relative humidity; out of direct sunlight.

PRECAUTION REMINDER

Surface should be clean, free of oil, moisture and dirt before applying. Pressure-sensitive adhesive tapes may require pressure by roller, hand or press when applying. Not doing so may affect the general properties and appearance. Please inspect your surface prior to application; this tape may not adhere well to extremely uneven or distorted surfaces. Please remember to allow adequate time for full adhesive strength.

WARRANTY INFORMATION

Unless Nitto agrees otherwise in a written agreement signed by Nitto, the warranty information and other terms of sale can be found in the Nitto Terms and Conditions of Sale in the legal section of www.nitto.com and are hereby incorporated by reference.

TECHNICAL SUPPORT

For questions pertaining to this data sheet or for additional product information; please email us directly at support.us@nitto.com