

## P-224 AMB

### 1-MIL KAPTON® POLYIMIDE FILM

#### PRODUCT DESCRIPTION

P-224 AMB is a thin, conformable tape with a high thermal rating with 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 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 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 allows P-224 AMB to resist various solvents and Freon in different applications.
- Used in a wide array of different insulating and holding functions such as relays, chokes, toroids, transformers, reactors, solenoids used in computers and data processing, aerospace and military equipment. .

#### PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

<b>Backing Material</b>	1-mil Kapton® polyimide film	
<b>Adhesive</b>	Acrylic	
<b>Color</b>	Amber	
	<b>Imperial</b>	<b>Metric</b>
<b>Total Tape Thickness</b>	2.8 mil	0.071 mm
<b>Tensile Strength</b>	36 lbs/in	63 N/10mm
<b>Elongation</b>	85%	85%
<b>Adhesion to Steel</b>	30 oz/in	3.28 N/10mm
<b>Dielectric Strength</b>	7,500 volts	7.5kV
<b>Insulation Class CSA</b>	311°F	155°C
<b>Insulation Class UL</b>	311°F	155°C
<b>Certifications</b>	UL-510 & CSA C-22-2	
<b>Government Specifications</b>	ASTM E595/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

UL component Recognition Guide OANZ2, File E20392, CSA C-22.2.RoHS Compliant.



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meets intended application requirements before approved for use.

## GENERAL STORAGE CONDITIONS

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

The following is made in lieu of all warranties, expressed or implied, including the warranty of merchantability and fitness for a particular or ordinary purpose. NITTO DENKO AMERICA warrants that its products meet the applicable specifications at the time of shipment from our warehouse and NITTO DENKO AMERICA's sole obligation shall be to replace any such quantity of the product which fails to meet NITTO DENKO AMERICA's specifications, or to issue a credit for such merchandise, for a period of six (6) months from the date of shipment.

NITTO DENKO AMERICA MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NITTO DENKO AMERICA shall not be liable for any injury, loss or damage, direct or consequential, arising out of or in connection with the use or the inability to use the product, nor shall any recovery of any kind in total against NITTO DENKO AMERICA be greater in amount than the purchased price of the specific material sold causing the alleged loss, damage or injury. Before using, buyer shall be responsible to determine the suitability of the product for his intended use, and buyer assumes all risk and liability in connection therewith. The foregoing may not be altered except by an agreement signed by an officer of NITTO DENKO AMERICA.

Any delays in or failure by either party hereto in the performance of any obligations hereunder shall be excused if and to the extent caused by occurrences beyond such party's reasonable control, including Acts of God, strikes or other labor disturbances, war, whether declared or not, fire, inability to secure transportation or any other cause or causes which cannot be reasonably controlled by such party.