

## P-223 AMB

### 1-MIL DOUBLE COATED KAPTON® POLYIMIDE FILM

#### PRODUCT DESCRIPTION

P-223 AMB provides outstanding thermal endurance and tensile strength at elevated temperatures. Being double coated, this product is ideal for die-cutting and splices for insulation layers making it ideal to use in the electrical and electronic applications.

#### FEATURES

- Outstanding thermal endurance, thin, conformable, yet has excellent puncture and tear resistance.
- Aggressive solvent resistant adhesive & non-corrosive nature permitting use with ultra-fine magnet wire.
- Perfect double coated tape where both surfaces in a laminating/bonding application are silicone treated.
- High dielectric strength permits use in high voltage areas with minimum insulation build-up.
- Available with easily removable inter-liner.

#### PRODUCT CONSTRUCTION

SILICONE ADHESIVE
KAPTON® POLYIMIDE FILM
SILICONE ADHESIVE
LINER

#### APPLICATION

- Performs under continuous high temperature operating conditions with great thermal endurance and tensile strength.
- Often laminated to metal foils to help form pressure-sensitive EMI and RFI shields.
- Ideal for bonding and laminating in many applications that require positive dielectric separation.

#### PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

<b>Backing Material</b>	1-mil Kapton® polyimide film	
<b>Adhesive</b>	Silicone, cured, inter-lined	
<b>Color</b>	Amber	
	<b>Imperial</b>	<b>Metric</b>
<b>Total Tape Thickness</b>	4.3 mil	0.11mm
<b>Tensile Strength</b>	36 lbs/in	63 N/10mm
<b>Elongation</b>	85%	85%
<b>Adhesion to Steel</b>	41 oz/in	4.5 N/10mm
<b>Dielectric Strength</b>	8,500 volts	8.5kV
<b>Insulation Class CSA</b>	356°F	180°C
<b>Insulation Class UL</b>	356°F	180°C
<b>Certifications</b>	UL-510 & CSA C-22-2	
<b>Government Specifications</b>	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.

### 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

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Customer's recovery of any equitable amount or any kind will not be greater than the amount paid for this product. Customer hereby waives all other remedies, statutory or otherwise including the remedies of specific performance or replevin.