

P-111 AL

CONDUCTIVE ALUMINUM FOIL

PRODUCT DESCRIPTION

P-111 AL provides the highest EMI/RFI shielding effectiveness available with an aluminum backed pressure-sensitive tape. This product is ideal for use in the electronic markets.

FEATURES

- Offers high conformability.
- Z-directional conductive adhesive.
- Shows outstanding adhesion provided by an insulating, chemically-pure, non-corrosive, solvent and heat resistant thermosetting acrylic adhesive.
- P-111 AL can be slit starting from a width of 1/16 of an inch and wider, making this an economical solution in smaller application situations.
- Displays a bright and clean electro-deposited aluminum finish.

PRODUCT CONSTRUCTION

ALUMINUM FOIL
ACRYLIC ADHESIVE
LINER

APPLICATION

- Widely used for Electro-Magnetic Interference (EMI) and Radio-Frequency Interference (RFI) shielding on small electro-magnetic components, transformers, reactor coils, instrument and control motors.
- Recommended for prototype wiring board layouts and designs, wiring board modifications, repairs and contact surfaces in specialty switch manufacturing.
- Used for economical shielding enhancement wrapped over a braid shielding cables & antennas.
- Also can be used as a static drain.

PROPERTIES, CERTIFICATIONS AND SPECIFICATIONS

Backing Material	Aluminum Foil	
Adhesive	Acrylic	
Color	Aluminum	
	Imperial	Metric
Total Tape Thickness	3.8 mil	0.097 mm
Tensile Strength	16 lbs/in	28 N/10mm
Elongation	5%	5%
Adhesion to Steel	49 oz/in	5.4 N/10mm
Insulation Class UL	311°F	155°C
Certifications	UL-510	
Government Specifications	ASTM E595	

*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.

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