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EKA series Electrical Conductive tape Aluminum Foil with Conductive, Pressure-Sensitive Acrylic Adhesive

Product Description

3M™ Electrical Tape EKA series are Aluminum Foil coated with Conductive, Pressure-Sensitive Acrylic adhesive.

- Conductive Acrylic Adhesive
- Supplied on a removable liner for easy handling and diecutting

Applications

3M Electrical Tape EKA series are Aluminum Foil coated with Conductive, Pressure-Sensitive Acrylic adhesive. These tape are typically used for applications requiring excellent electrical conductivity from the application substrate through the adhesive to the foil backing. Common uses include grounding and EMI shielding in equipment , components, shielded rooms.

Shielding Effectiveness

Many factors determine the true shielding effectiveness of a shielding tape, including type and thickness of foil, adhesive type, intimacy of contact, smoothness of application surface, strength and frequency the EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a value for the attenuation.
For 3M EKA series Tape, typical shielding effectiveness (far field) is in the range of 40dB to 60dB (30MHz to 1 GHz).

● EKA series Electrical Conductive tape – Typical Properties

Properties	Typical Value	
Product name	EKA-1	EKA-2
Backing	Aluminum Foil + PET Film	Aluminum Foil
Adhesive	Conductive Acrylic	Conductive Acrylic
Thickness(Backing + Adhesive)	0.06mm	0.06mm
Adhesion strength[1]	35 oz/in	35 oz/in
Contact Resistance[2]	0.005 Ω	0.005 Ω

1. Test method ASTM D 1000
2. MIL-STD-202 Method 307 maintained at 5 psi (3,4N/cm^2) measured over in^2 surface area.
3. Conductive particles in the adhesive provide the electrical path between the application substrate and the foil backing.