



Tape AL-25DC

Aluminum Foil Double-Coated with Conductive Acrylic Adhesive

Data Sheet

Product Description

3M™ Tape AL-25DC consists of a soft aluminum foil backing double coated with a unique electrically conductive pressure-sensitive acrylic adhesive.

- Soft aluminum foil backing
- Conductive acrylic adhesive
- Supplied on a removable liner for easy handling and die cutting.

Please consult with a 3M sales representative about custom width and length. Standard length is 40M.

Applications

3M Tape AL-25DC is 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, etc.

Shielding Effectiveness

Shielding effectiveness depends on conductivity, permeability, thickness of metalization, adhesive strength, degree of contact, smoothness of application surface, strength and frequency of EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a value for the attenuation. (See chart below.)

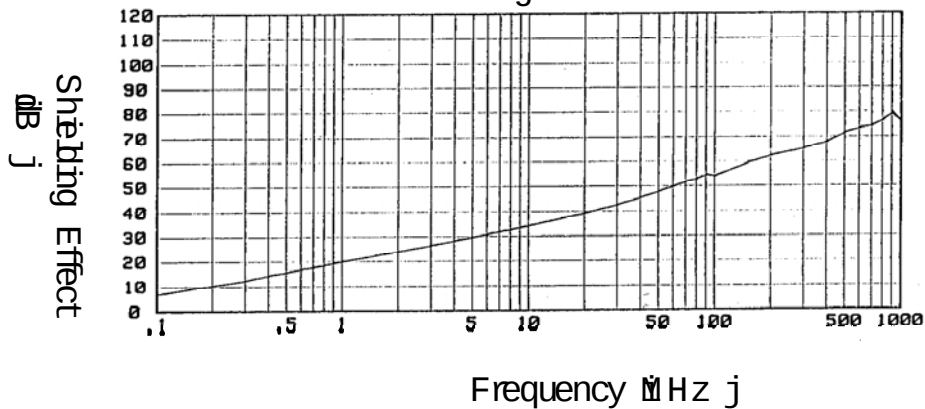
Properties	Typical Value
Backing thickness ¹	1.0 mil (0.025 mm)
Total thickness (backing plus adhesive) ¹	3.3 mil (0.085 mm)
Adhesion to steel ¹	3.4 N/cm
Electrical resistance through adhesive ²	0.035 Ω/25 mm ²

* Foot notes: 1. ASTM-D-1000 Test method
2. 3M Test method 2

Shielding Effectiveness (Magnetic Field KEC Method)

AL-25DC

Magnetic Field



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Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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