Tape AL-25BT

Aluminum Foil with Conductive Acrylic Adhesive

Data Sheet

Product Description

3M™ Tape AL-25BT consists of a soft aluminum foil backing and 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
- UL recognized for flame retardancy per UL 510, Product category OANZ2, File 59505.

Please consult with a 3M sales representative about custom width and length. Standard length is 20M.

Applications

3M Tape AL-25BT 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.

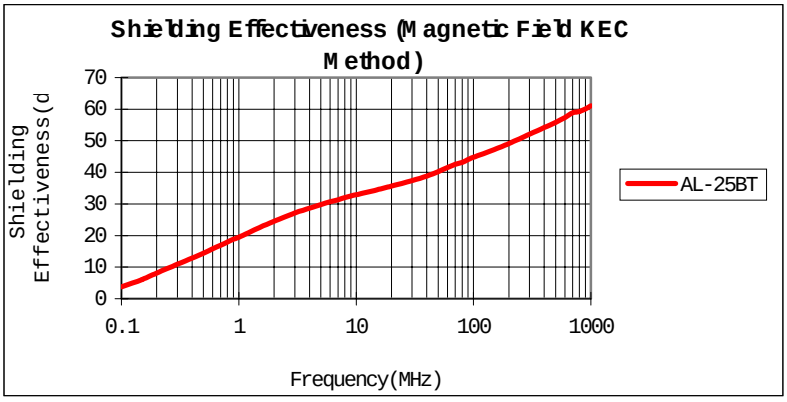
Shielding Effectiveness

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.)

Typical Properties

Properties	Typical Value
Backing thickness [1]	1.0 mil (0.025 mm)
Total thickness (backing plus adhesive) [1]	2.4 mil (0.06 mm)
Adhesion to steel [1]	3.4 N/cm
Electrical resistance through adhesive [2]	0.01 Ω/25 mm^2

Footnotes: 1. ASTM-D-1000 Test method
2. 3M Test method 1.



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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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