



# Tape 3245

## Reverse-Embossed Copper Foil with Conductive Acrylic Adhesive

### Data Sheet



#### Product Description

3M™ Tape 3245 consists of a reverse-embossed copper foil backing and a unique electrically conductive, pressure-sensitive acrylic adhesive with strong cohesion.

- Reverse-embossed copper foil backing
- Conductive acrylic adhesive
- Excellent EMI shielding performance
- Easily applied
- Die cuttable
- Solderable
- Resists oxidation and discoloration
- UL recognized for flame retardancy per UL 510, Product category OANZ2, File 59505.

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

#### Applications

3M Tape 3245 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.

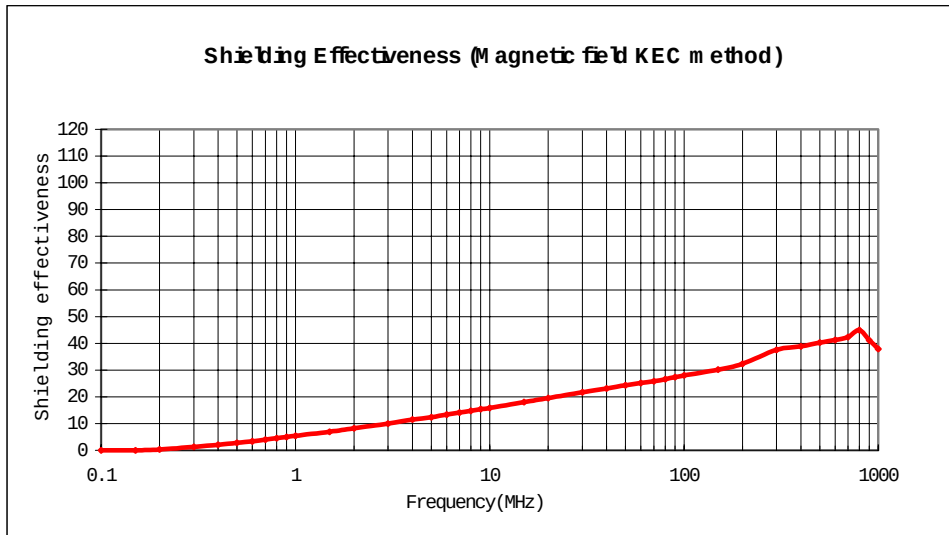
#### Shielding Effectiveness

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 <sup>1</sup>                       | 1.4 mil (0.035 mm)                 |
| Total thickness (backing plus adhesive) <sup>1</sup> | 5.9 mil (0.15 mm)                  |
| Adhesion to steel <sup>1</sup>                       | 5.0 N/cm                           |
| Electrical resistance through adhesive <sup>2</sup>  | 0.001 $\Omega$ /25 mm <sup>2</sup> |

\* Foot notes: 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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