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# 3M

## Tape AL-36NC

### Polyester-Laminated Aluminum Foil with Acrylic Adhesive

#### Data Sheet

#### Product Description

3M™ Tape AL-36NC consists of polyester film-laminated aluminum foil and pressure-sensitive acrylic adhesive.

- PET-laminated aluminum foil backing
- Acrylic adhesive
- Supplied on a removable liner for easy handling and die-cutting

Like all 3M shielding tapes, 3M Tape AL-36NC is available in standard and custom widths and lengths. Standard length is 100m.

- Widths from 6mm to 500mm
- Longer lengths up to several times normal length, dependent upon width. Check with 3M Sales Representative.

#### Applications

3M Tape AL-36NC is typically used for applications requiring non-electrical conductivity from the application substrate to the backing and needing insulation on top of the foil backing. Common uses include grounding and EMI shielding in equipment, components, shielded rooms, etc.

#### Shielding Effectiveness

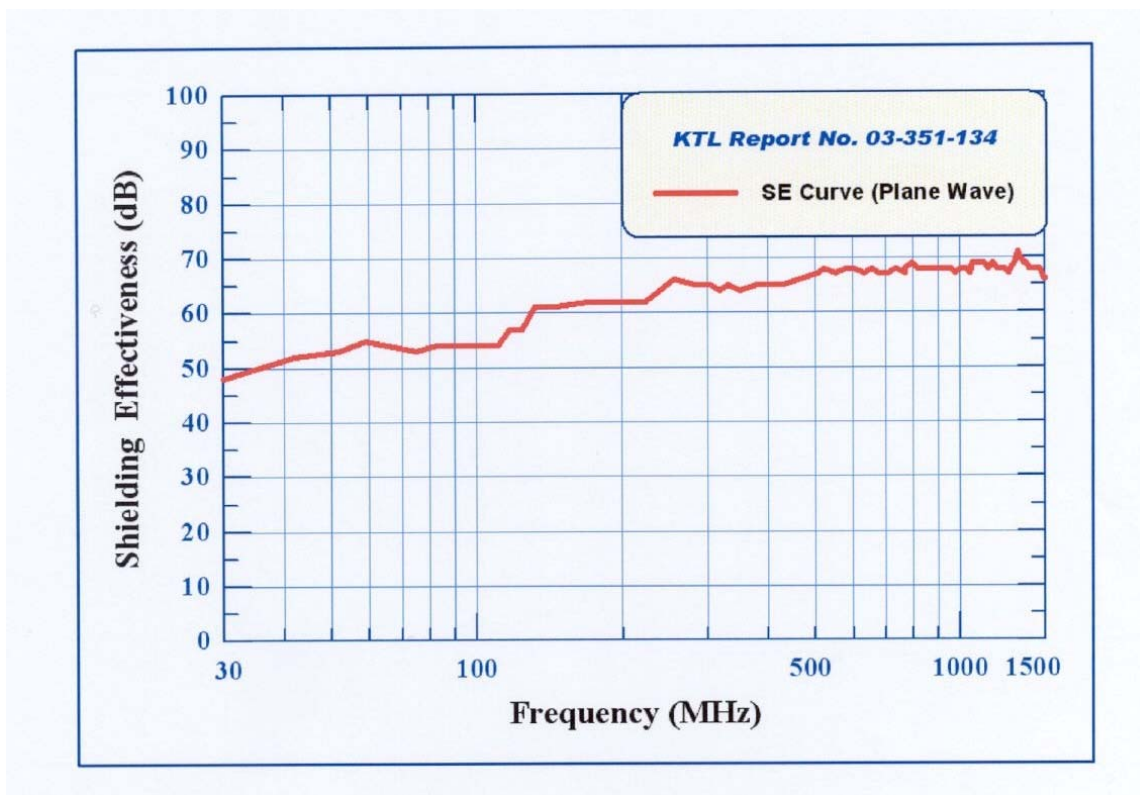
Many factors determine the true shielding effectiveness of a shielding tape, including type and thickness of foil, adhesive type, intimacy of contact, smoothness of application surface, strength and frequency of the EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a value for the attenuation

#### Typical Properties

Properties	Typical Value
Type of backing	PET-laminated aluminum foil backing
Type of adhesive	Acrylic adhesive
Total thickness (backing plus adhesive)	0.055 ± 0.005 mm
Breaking strength <sup>1</sup>	6.5 kg <sub>f</sub> /25 mm
Elongation	40%
Adhesion strength <sup>1</sup>	500 g <sub>f</sub> /25 mm
Shielding effectiveness <sup>2</sup>	Refer to attenuation chart

\* Footnotes: 1. Test method ASTM-D-1000  
 2. ASTM-D-4935 Test Method

**Shielding Effectiveness (Test method: ASTM-D-4935)**



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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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**3M**

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