



Shielding Tape 1115

Aluminum Foil with Conductive Acrylic Adhesive

Data Sheet

Product Description

3M™ Shielding Tape 1115 consists of a 5mil aluminum foil backing and a unique electrically conductive pressure-sensitive acrylic adhesive.

- 5mil aluminum foil backing
- Conductive acrylic adhesive
- Supplied on a removable liner for easy handling and die cutting.

Like all 3M shielding tapes, 3M 1115 is available in standard and custom widths and lengths

- Longer lengths up to several times normal length, dependent upon width. Check with customer service.

Applications

3M Shielding Tape 1115 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.

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. Before using this product, the user must evaluate it and determine if it is suitable for the intended application.

| Properties | Typical Value |
|---|-----------------------|
| Backing thickness | 5.0 mil (0,125mm) |
| Total thickness (backing plus adhesive) | 7.0 mil (0,177mm) |
| Breaking strength ¹ | 55 lb/in (96 N/10mm) |
| Adhesion to steel ¹ | 52 oz/in (5,6 N/10mm) |
| Electrical resistance through adhesive ² | 0.005 ohm |

* Foot notes: 1. ASTM-D-1000 Test method
2. MIL-STD-202 Method 307 maintained at 5 psi (3,4 N/cm²) measured over 1 in² surface area. Conductive particles in the adhesive provide the electrical path between the application substrate and the foil backing.

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