



1126 Tape

Copper Foil with Conductive Adhesive

Data Sheet



Product Description

3M™ 1126 Tape consists of a 1-ounce rolled copper foil backing and an electrically conductive, pressure-sensitive acrylic adhesive.

- 1-ounce rolled copper backing
- Conductive acrylic adhesive
- Supplied on a removable liner for easy handling and diecutting
- Meets flame spread requirement of UL510
- Meets Mil-T-47012
- Excellent solderability

Applications

3M 1126 tape is typically used as an EMI/RFI shielding tape for applications in the electronics industry such as static charge draining, seaming shielded rooms, cable wrapping and surface contact to non-solderable materials.

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

Typical Values

Adhesive	Acrylic Conductive
Backing	Copper
Backing Thickness	1.4 mil (0.04mm)
Total Thickness ¹	3.5 mils (0.088mm)
Color	Copper
Electrical Resistance ²	0.003 ohm
Flame Retardancy ³	Pass
Breaking Strength ⁴	25 lbs/in (44N/10mm)
Elongation ⁴ (% at break)	5%
Adhesion to Steel ⁵	36 oz/in (4.4N/10mm)

Note: Typical properties are not recommended for specification purposes. Product specifications will be provided upon request.

- Footnote:
- 1 Test Method ASTM D1000
 - 2 Mil-STD-202 Method 303 maintained at 5 psi (3,4N/cm²) measured over 1 in² surface area. Conductive particles in the adhesive provide the electrical path between the application substrate and the foil backing.
 - 3 UL Recognized for flame retardancy per UL 510, Product Category OANZ2, File E17385.
 - 4 Test Method ASTM D3759
 - 5 Test Method ASTM D3330

3M is a trademark of 3M

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.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

3M

Electrical Products Division

6801 River Place Blvd.

Austin, TX 78726-9000

<http://www.3M.com/elpd/oem>

Litho in USA.
© 3M IPC 2001 78-8125-9946-8