



1194 Tape

Copper Foil with Nonconductive Adhesive Data Sheet

Product Description

3M™ 1194 Tape consists of a 1-ounce deadsoft copper foil backing and an aggressive nonconductive pressure-sensitive acrylic adhesive.

- Deadsoft 1-ounce copper foil backing
- Nonconductive acrylic adhesive
- Supplied on a removable liner for easy handling and diecutting

Like all 3M shielding tapes, 3M 1194 is available in standard and custom widths and lengths. Standard length for 3M 1194 is 36 yards.

- Widths from 1/4" to 23"
- Longer lengths up to several times normal length, dependent upon width. Check with Customer Service.

Applications

3M 1194 Tape is typically used for applications requiring economical electrical bonding, grounding, and EMI shielding. The copper foil backing is solderable and resists oxidation and discoloration.

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.

For 3M 1194 Tape, typical shielding effectiveness (far field) is in the range of 50dB to 60dB (30 MHz to 1 GHz).

Properties

Typical Values

| | |
|---|-----------------------|
| Backing thickness ¹ | 1.4 mil (0,04mm) |
| Total thickness (backing plus adhesive) | 2.6 mil (0.066mm) |
| Breaking strength ¹ | 25 lb./in (44 N/10mm) |
| Adhesion to steel ¹ | 40 oz/in (4,4 N/10mm) |
| Flame retardancy ² | Pass |

* Footnote: 1. Test method ASTM D 1000

2. UL-recognized for flame retardancy per UL 510, Product Category 0ANZ2, File E17385.

Important Notice

Technical information provided by 3M is based on experience and/or tests believed to be reliable, but their accuracy is not guaranteed and the results may not be relevant to every user's application. For this reason 3M does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. All questions of liability relating to 3M products are governed by the seller's terms of sale subject where applicable to the prevailing law

If any goods supplied or processed by or on behalf of 3M prove on inspection to be defective in material or workmanship, 3M will (at its option) replace the same or refund to the Buyer the price paid for the goods or services. Except as set out above, all warranties and conditions, whether express or implied, statutory or otherwise are excluded to the fullest extent permissible at law.

3M and Scotchcast are trademarks of the 3M Company. Printed in the UK.

© 3M United Kingdom PLC, 1999

3M United Kingdom PLC
Electrical Products Group
Hudson Road
Bedford MK41 0HR
Tel: 01234 268868
Fax: 01234 229433

3M Ireland
Electrical products Group
3M House, Adelphi Centre
Dun Loaghaire, CO. Dublin, Ireland
Tel: (01) 2803555
Fax: (01) 2803509

3M Innovation

Jan. 2000

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9