



Tape 1218

Polyimide Film Tape with Acrylic Pressure-Sensitive Adhesive for use as Insulation Tape

Data Sheet

Product Description

3M™ Tape 1218 is a one mil polyimide backing with acrylic adhesive. It is designed for high temperature applications, in which a solvent resistant backing is required, used on coils, capacitors and wire harnesses.

- 1 mil polyimide backing
- Acrylic adhesive
- Supplied on 3 inch cores

3M Tape 1218 is available in standard and custom widths and lengths. Standard length 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 Tape 1218 is used for high temperature electrical applications in which a tough, thin insulating material that is solvent-resistant is required for wrapping coils, transformers, capacitors and wire harnesses. It is also used as a cover layer material for many types of flexible printed circuits.

Typical Properties

Properties	Typical Value
Adhesive	Acrylic Pressure Sensitive
Backing	Polyimide
Total thickness ¹	3.0 mils / 0.076 mm
Operating Temperature	180°C (356°F)
Adhesion to Steel ¹	19 oz/in (0.50Kg/in)
Breaking strength ¹	30 lbs./in (14 Kg/in)
Insulation Resistance ¹	>1 x 10 ⁶ megohms
Elongation ¹ (% at break)	55 %
Dielectric Breakdown ¹	6.0 KV
CTI Group	IIb
Electrolytic Corrosion Factor ²	1.0

Footnote:

1. Test method ASTM D 1000
2. 3M Test Method-Available on request

3M is a trademark of 3M Company.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. 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. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture for a period of one (1) year from the time 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Electrical Markets Division

6801 River Place Blvd.

Austin, TX 78726-9000

800-626-8381 Fax 800-828-9329

www.3M.com/electrical

Litho in USA

© 3M 2006 78-8126-9084-6-A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[1218-1/2x36yds](#) [1218-1/4x36yds](#)