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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

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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

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