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]	$>1 \times 10^6$ 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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