



# 1205 Tape

## Polyimide Film With Acrylic Adhesive

### Data Sheet

#### Product Description

3M™ 1205 Tape is a 1-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 Kapton™ backing
- Acrylic adhesive
- Supplied on 3 inch cores

3M 1205 Tape 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 1205 Tape 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.

#### Properties

#### Typical Values

Adhesive	Acrylic
Backing	Polyimide
Backing Thickness <sup>1</sup>	One Mil
Total Thickness	3.0 mils/.076mm
Operating Temperature (continuous)	155°C/311°F
Dielectric Breakdown <sup>1</sup>	7,500 Volts
Insulation Resistance <sup>1</sup> (megohms)	>1 x 10 <sup>6</sup>
Breaking Strength <sup>1</sup>	30 lbs./in. (53 n/10mm)
Elongation <sup>1</sup> (% at break)	55
Electrolytic Corrosion Factor <sup>3</sup>	1.0
Adhesion to Steel <sup>1</sup>	35 oz./in. (3,8 n/10mm)
UL 510 Flame Retardant <sup>2</sup>	Yes

\* Footnote: 1. Test method ASTM D 1000  
2. UL-recognized for flame retardancy per UL 510, Product Category 0ANZ2, File E17385.  
3. 3M Test Method-Available on request

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Jan. 2000

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