



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

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 Laoghaire, CO. Dublin, Ireland
Tel: (01) 2803555
Fax: (01) 2803509

3M Innovation

Jan. 2000