Discontinued January 1, 2011. No suggested replacement.

3M

Cleanroom Very High-Tack Tape
1254

Technical Data **February, 2006**

Product Description

3M™ Cleanroom Very High-Tack Tape 1254 is a polyester film tape with very high adhesion to most surfaces. This product is ideal for cleanroom construction and maintenance applications.

Construction

Backing	Adhesive	Color	Standard Roll Sizes
Polyester	Rubber resin	Transparent	3/4 in., 1 in., 2 in. x 36 yds. (19 mm, 25 mm, 50 mm x 33 m)

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to:		D-3330
Stainless steel	145 oz./in. (160 N/100 mm)	
Polypropylene	110 oz./in. (120 N/100 mm)	
Polyethylene	60 oz./in. (65 N/100 mm)	
Tensile Strength at Break:	43 lbs./in. (754 N/100 mm)	D-3759
Elongation at Break:	120%	D-3759
Tape Thickness:	4.1 mils (0.10 mm)	D-3652
Outgassing by Headspace GC Analysis[1]		D-4526[2]
Total outgassing	0.6% by weight	

[1]Outgassing = Dynamic headspace analysis of volatile components collected during a 4 hour @ 80°C heat cycle using a Hewlett-Packard Model 5890 Series II gas chromatograph coupled with a Hewlett-Packard Model 5989B mass spectrometer.

[2]ASTM test method modified per footnote #1 above.

General Information

- Product is converted, cleaned, and packaged in cleanroom.
- Rolls are wound onto plastic cores and bagged with Class 100 clean film.
- Application temperature: 16° to 40°F (-9° to 4°C).

Application Ideas

- Joining, sealing, repairing, holding, and reinforcing a variety of difficult-to-hold materials, such as flexible polyethylene cleanroom partition.
- Repair of air vent leaks.
- General cleanroom construction and maintenance.

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Key Attributes	Features	Advantages	Benefits
	Polyester backing	Abrasion, chemical and thermal resistant	Resists failure and reduce contamination
		High strength	Broad range of difficult applications
	Rubber resin adhesive	Aggressive adhesion	Adhere well to many difficult-to-stick-to surfaces
		Short-term clean removal from many surfaces (testing recommended)	No adhesive transfer reduced rework

Storage

Store at 60° to 80°F (15° to 27°C) and 40 to 50% relative humidity

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634. Address correspondence to: 3M Electronics Markets Materials Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244 or 1-877-369-2923. In Canada, phone: 1-800-634-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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Printed in U.S.A.
©3M 2006 60-5002-0034-4 (2/06)