



Double Coated Dual Liner Tape

55334

Technical Data

May, 2003

Construction

(Calipers are nominal values.)

Liner 1	Adhesive 1	Carrier	Adhesive 2	Liner 2
1.0 mil Non-Silicone, Non-Fluorochemical Polyester Film	1.0 mil 3M™ Adhesive 573 Low Outgassing, Permanent Acrylic	1.0 mil Polyester	1.0 mil 3M™ Adhesive 563 Low Outgassing, High Stability Acrylic	2.0 mil Non-Silicone, Fluorochemical Polyester Film

Features

- 3M™ Adhesive 563 provides stable adhesion that builds moderately without degrading over time.
- Adhesive 563 provides excellent adhesion for attachment to a wide variety of surfaces.
- Adhesive 563 has high chemical purity with low outgassing and ionics.
- Adhesive 563 removes cleanly from most metal and high energy plastics.
- 3M™ Adhesive 573 provides excellent adhesion for attachment to a wide variety of surfaces.
- Adhesive 573 has high chemical purity with low outgassing and ionics.
- Adhesive 573 provides permanent adhesion to most metals and high-energy plastics.
- 3M™ Double Coated Dual Liner Tape 55334 material is UL recognized (File MH 26206).

Application Ideas

- Laminated to other facestock for hard disk drive industry.
- Laminated to foils for hard disk drive industry.

3M™ Double Coated Dual Liner Tape

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Typical Physical Properties

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

Adhesion: 90° peel, 12 ipm test procedure is ASTM D 3330.
180° peel, 12 ipm test procedure is ASTM D 3330.

3M™ Adhesive	Surface	Initial (20 Minute Dwell / RT) 90° peel		Initial (20 Minute Dwell / RT) 180° peel		Conditioned for 3 Days at RT 72°F (22°C) 90° peel		Conditioned for 3 Days at RT 72°F (22°C) 180° peel	
		Oz./In.	N/100mm	Oz./In.	N/100mm	Oz./In.	N/100mm	Oz./In.	N/100mm
573	Stainless Steel	38	42	40	44	68	74	68	74
563	Stainless Steel	24	26	24	26	36	40	43	47
573	Aluminum	25	27	40	44	47	51	60	66
563	Aluminum	19	21	22	24	37	40	42	46

Adhesive	Surface	Conditioned for 3 Days at 120°F (48°C) 90° peel		Conditioned for 3 Days at 120°F (48°C) 180° peel		Conditioned for 3 Days at 90°F (32°C) and 90% RH 90° peel		Conditioned for 3 Days at 90°F (32°C) and 90% RH 180° peel	
		Oz./In.	N/100mm	Oz./In.	N/100mm	Oz./In.	N/100mm	Oz./In.	N/100mm
573	Stainless Steel	73	80	73	80	60	66	63	69
563	Stainless Steel	47	51	61	67	36	40	38	42
573	Aluminum	39	43	61	67	45	49	64	70
563	Aluminum	50	55	53	58	43	47	43	47

Liner Release: 180° peel, 90 ipm removal of Liner from Carrier.

Adhesive	Liner	Conditioning	Grams/Inch Width
573	Non-Silicone, Non-Fluoro	Initial/RT	16
573	Non-Silicone, Non-Fluoro	3-day 120°F (48°C)	23
573	Non-Silicone, Non-Fluoro	3-day 90°F (32°C)/90% RH	60
563	Fluorochemical PET	Initial/RT	8
563	Fluorochemical PET	3-day 120°F (48°C)	13
563	Fluorochemical PET	3-day 90°F (32°C)/90% RH	7

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Shelf Life Two years from date of manufacture of product when properly stored at 72°F (22°C) and 50% relative humidity.

Processing

Die Cutting:
Rotary die cutting is recommended.

Packaging:
Finished product should be stored in plastic bags.

Special Considerations For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 50°F (10°C), can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rubdown pressure.

Precautionary Information Refer to Product Label for health and safety information before using this product.

MSDS: 3M has not prepared a MSDS for this product which is not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, this product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect the performance and present potential health and safety hazards.

For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

For Additional Information To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. 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. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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ISO 9002

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Electronics Markets Materials Division**

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