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Medical Materials & Technologies

3M™ Microfluidic Diagnostic Tape, 9965 Double-Sided White Tape

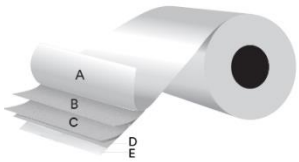
Product Description:

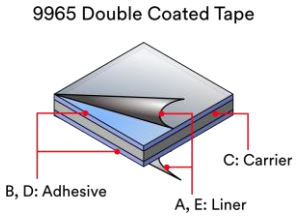
3M™ Microfluidic Diagnostic Tape 9965, consists of a white polyester film coated on both sides with a pressure sensitive acrylate adhesive. The tape is supplied between two clear, silicone coated polyester release liners. The product is designed for use in diagnostic medical devices such as test strips and lab-on-a-chip.

Features and Benefits:

- Hydrophobic adhesive resists clouding
- Adheres to a variety of substrates
- White polyester carrier
- Double sided adhesive coating
- Non-hemolytic
- Non-toxic to mammalian cells
- Low extractables
- Designed for lab-on-a-chip applications

Composition:





A: Release Liner	2 mil (51 um) Clear silicone coated polyester release liner
B: Adhesive	0.7 mil (18 um) Acrylate adhesive
C: Carrier	2 mil (51 um) White polyester film
D: Adhesive	0.7 mil (18 um) Acrylate adhesive
E: Release Liner	2 mil (51 um) Clear silicone coated polyester release liner

Roll Description:

Roll Length	Maximum 350 yd (320 m) ± 2%
Roll Width	Maximum 48 in (122 cm) ± 0.06 in (1.52 mm)
Splices per Roll	Maximum 3 per 350 yd (320 m)

Note: Default 6 in (152 mm) plastic core

Adhesion & Liner Release:

Adhesion to steel, 180° Peel*	21.1 oz/in (2.3 N/cm)
Adhesion to polyester, 180° Peel*	34.1 oz/in (3.7 N/cm)
Adhesion to polycarbonate, 180° Peel*	34.9 oz/in (3.8 N/cm)
Adhesion to acrylic, 180° Peel*	38.1 oz/in (4.2 N/cm)
Adhesion to polypropylene, 180° Peel*	18.9 oz/in (2.1 N/cm)
Liner Release moderate side, 180° Peel	47.9 gm/in (0.2 N/cm)
Liner Release easy side, 180° Peel	8.6 gm/in (33 mN/cm)

Represents typical value. *Adhesion tested after 5-minute dwell time.

Biocompatibility Testing:
The adhesive used in product 9965, in conjunction with a similar product with a different backing, has been subjected to the following safety evaluations.

Study Type	Test Method	Standard	GLP	Results
In vitro cytotoxcity	Cell lysis & cytotoxicity	ISO 10993-5: </= 2	Yes	Reactivity grade: 0
MEM elution	Cell lysis & cytotoxicity	ISO 10993-5: </= 2	Yes	Reactivity grade: 0
Hemolytic Index	Interaction with Blood	ISO 10993-4: < 2%	Yes	Non-Hemolytic (index: 1.2%)
	Test article extract	ISO 10993-4: < 2%	Yes	Non-Hemolytic (index: 0.0%)

Recommended Storage Conditions & Shelf Life:

Product as supplied in original packaging will maintain certified properties for a period of two years from date of manufacture when stored at room temperature 68-77 ºF (20-25 ºC).

Product and Safety Information: User is solely responsible for determining the suitability of 3M samples and products for the intended use including any necessary safety or toxicity assessment. 3M will provide Material Safety Data Sheets or equivalent and summary results of biocompatibility testing upon request. In every case before using any product in full scale production users should conduct their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.
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Ordering Information

To place an order, call our Customer Service at: **800-742-1994 (U.S.).** For all orders outside the United States, please contact your local country representative or check out **3M.com/MedTechFindaRep** for your region's contact information.

To have a sales representative contact you, to request samples or clinical and safety summaries, please contact us at 3M HELPLINE 800-228-3957 (U.S.) or check out **3M.com/MedTechContactUs** for your region's contact information.

Visit our website: **www.3M.com/MedTech** for product and services information, news, events, new product highlights or to make a direct inquiry.

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