



Specialty Tape Division

Avery Dennison™

MED 5637

58435

Product Information Bulletin

Product Description

MED 5637 is a 1/32" cross-linked polyethylene foam coated on one side with a non-sensitizing acrylic pressure-sensitive adhesive, protected by a polyethylene coated release liner.

Features

- Acrylic adhesive
- Soft, flexible, foam facestock
- Moisture resistant liner
- Improved conformability to skin contours

Benefits

- Non-sensitizing to patient's skin
- Product will not lift off during use
- Easy to die-cut and convert, reduces scrap
- Value priced

Applications

Designed for use in mounting transdermal drug delivery, electromedical and other devices to human skin for sustained periods.

Surface Preparation

It is essential that the skin to which the tape is applied be clean and dry.

Storage and Shelf Life

Two years when stored at 70°F (21°C)/50% relative humidity out of direct sunlight, in original packaging.

Product Profile (not for specification use)

Carrier	1/32", white 6 lb./ft. ³ cross-linked polyethylene foam
Adhesive	58 grams/meter ² non-sensitizing acrylic
Liner	88 lb./ream (143 grams/meter ²) polyethylene coated kraft with a silicone release coating on one side

ADHESIVE PROPERTIES (not for specification use)

*TYPICAL VALUES

90° Peel Adhesion	3.0 lbs. force/in. width
Test Method: PSTC-1	
TLMI Release	100 grams/2" width
Test Method: 90° at 300"/min	
Mass Weight	58 grams/meter ²
Test Method: ASTM D-898	

CARRIER PROPERTIES (not for specification use)

*TYPICAL VALUES

Thickness	31 mils nominal
Test Method: ASTM D-3575	
Tensile	MD-160 psi minimum
Test Method: ASTM D-3575	
Elongation	MD-350% minimum
Test Method: ASTM D-3575	

Safety

The adhesive used on MED 5637 is an acrylic co-polymer. This adhesive has been tested by an independent laboratory on humans as well as animals. The results indicate that the adhesive is non-irritating and non-sensitizing in humans. The tests run on animals were in accordance with Title 16 of the code of Federal Regulations, paragraph 1500.41. The Repeat Insult Patch Test was used to determine sensitization in humans and to indicate potential safe use of MED 5637 in medical devices. Good Manufacturing Practice places the burden of safe product performance on the manufacturer or processor of the device.

If the further information is required regarding the safety of Avery Dennison Specialty Tape Division medical products, contact your sales representative or our Medical Products Department. *Typical values are not intended to be used for specification development.



Providing Solutions in Pressure Sensitive Films

Product Construction Sheet

FLEXmark® MM 200 SILVER TC-249 L-23 90 PFW

GENERAL DESCRIPTION:

This is a topcoated metallized silver polyester film coated with a permanent pressure sensitive acrylic adhesive and backed with a two-side poly coated lay flat release liner.

CSA/UL RECOGNITION:

This is a CSA listed and UL recognized product. For further information, please reference FLEXcon's CSA file No 099214 L 000 (Class No C7922 01), UL file No MH10170 (N) or contact your FLEXcon Representative.

PRODUCT DATA	VALUE	TEST METHOD
PHYSICAL PROPERTIES		
Thickness mil (micron)	Film: 2.0 (51) +/- 10 % Adhesive: 1.0-1.1 (25-28) +/- 0.1 (3) Liner: 6.9 (175) +/- 10 %	ASTM D 3652
Dimensional Stability (%)	No shrinkage observed	On Al panel at 160°F (71°C) for 24 hr.

ADHESION PROPERTIES**

Adhesion from	Average oz/in (N/m)	
Stainless Steel	53 (583)	ASTM D 903 (Modified for 72 hr dwell time)
Acrylic	47 (517)	
Glass	52 (572)	
Polypropylene	7 (77)	
Expected Shear (hours)	75	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (gm)	550	ASTM D 2979

** For guidance only, not to be used for setting specifications. Due to the custom nature of this product, the data presented are based on three or less production runs.

EXPECTED EXTERIOR LIFE	Two years
SERVICE TEMPERATURE RANGE	-40°F to 302°F (-40°C to 150°C)
MINIMUM APPLICATION TEMPERATURE	50°F (10°C)
STORAGE STABILITY	Two years stored at 70°F (21°C) and 50% RH

* FLEXmark is a registered trademark of FLEXcon Company, Inc.

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Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of FLEXcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by FLEXcon. All purchasers of FLEXcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of FLEXcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.