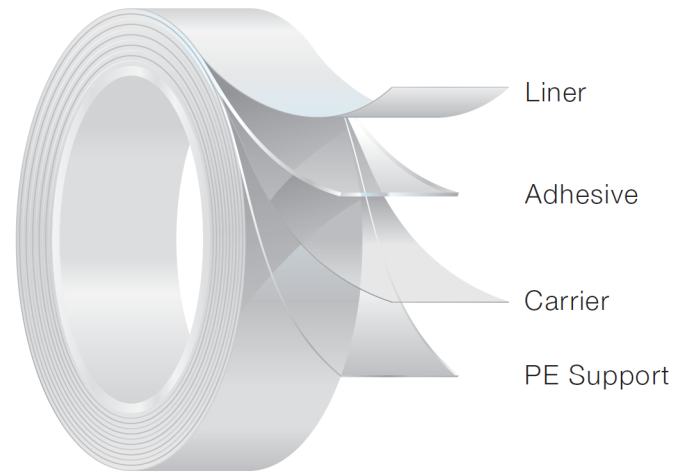


## TECHNICAL DATA SHEET

**Avery Dennison MED 1827** is a single-coated, soft, pliable, transparent polyurethane film with an acrylic adhesive. This product's thin and conformable film offers a high degree of user comfort, while its transparency allows for wound or site visibility; in some applications, it can act as a barrier to assist in decreasing the risk of bacterial infections. This product contains a polyethylene support (casting sheet) to assist with handling and processing, and a heavyweight liner ideal for kiss cutting, die cutting and converting.



### TYPICAL APPLICATION

Designed for incise applications, wound care, IV securement and situations requiring high MVTR and sustained periods of wear.

### FEATURES AND BENEFITS

- Thin and conformable
- Transparent
- Breathable
- Die-cuttable
- Printable
- Moisture resistant
- Gamma and EtO sterilizable
- Available with and without handling bars

### PRODUCT INFORMATION (not intended as a specification)

	Typical Values		Description
Support Thickness	1.8 mils	45 µm	Transparent polyethylene film
Carrier Thickness	1.0 mils	25 µm	Transparent polyurethane film
Adhesive Thickness	1.8 mils	45 µm	Acrylic adhesive designed for medical applications
Liner Thickness	5.1 mils	130 µm	White polyethylene-protected paper



Medical

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PHYSICAL PROPERTIES (not intended as a specification)

	Test Method*	Typical Values †	
Peel Adhesion on Polyethylene (PE)	TDS-01	0.7 lbf/in	3.0 N/25 mm
Peel Adhesion on Stainless Steel (SS)	TDS-03	1.8 lbf/in	8.0 N/25 mm
Liner Release	TDS-06	1.8 oz/in	65 g/25 mm
Finat Tack	TDS-07	6.9 lbf/in	30 N/25 mm
Dynamic Shear	TDS-10	66 lbf/in	290 N/25 mm
Elongation - Machine Direction	TDS-15	400%	
Elongation - Cross Direction	TDS-15	325%	
Load at Break - Machine Direction	TDS-15	6.3 lbf/in	28 N/25 mm
Load at Break - Cross Direction	TDS-15	6.9 lbf/in	30 N/25 mm
MVTR	TDS-16	32 g/100 in <sup>2</sup> /24h	500 g/m <sup>2</sup> /24h

\*Test method information available upon request.

† Refer to product specifications for material acceptance limits.

STORAGE AND SHELF LIFE

Two years when stored at 23°C (73°F), 50% relative humidity, out of direct sunlight, in original packaging.

IMPORTANT

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. This document is not a product specification. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All Avery Dennison materials described herein are sold subject to Avery Dennison Conditions of Sales, a copy of which is available upon request.

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