

# TECHNICAL DATA SHEET

MED 1827A

## Single-Coated Film

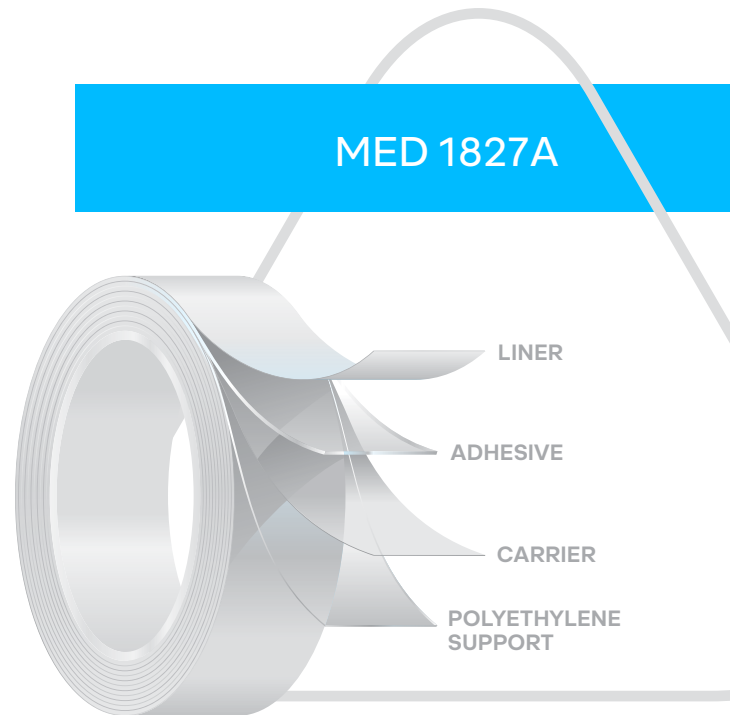
MED 1827A is a single-coated, soft, pliable, transparent polyurethane film with an acrylic adhesive. This product's conformable film offers a high degree of user comfort, while its transparency allows for wound or site visibility; in some applications, it can act as a barrier to assist in decreasing the risk of bacterial infections. The adhesive is protected by a one-side siliconized glassine paper liner.

### TYPICAL APPLICATION

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

### FEATURES AND BENEFITS

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



### Product Construction

	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	2.6 mils	65 µm	Acrylic adhesive designed for medical applications
RELEASE LINER THICKNESS	2.6 mils	65 µm	White glassine paper

\*Refer to product specifications for material acceptance limits.

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## Physical Properties [Not intended as a specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE (PE)	TDS-01	0.8 lbf/in	3.5 N/25 mm
PEEL ADHESION ON STAINLESS STEEL (SS)	TDS-03	2.3 lbf/in	10 N/25 mm
LINER RELEASE	TDS-06	1.6 oz/in	45 g/25 mm
FINAT TACK	TDS-07	9.1 lbf/in	40 N/25 mm
DYNAMIC SHEAR	TDS-10	16 lbf/in	70 N/25 mm
MVTR	TDS-16	26 g/100 in <sup>2</sup> per 24 hr	400 g/m <sup>2</sup> per 24 hr
ELONGATION			
MACHINE DIRECTION	TDS-15	350%	
CROSS DIRECTION	TDS-15	350%	
LOAD AT BREAK			
MACHINE DIRECTION	TDS-15	6.3 lbf/in	28 N/25 mm
CROSS DIRECTION	TDS-15	8.0 lbf/in	35 N/25 mm

MVTR, moisture vapor transmission rate.

\*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.

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