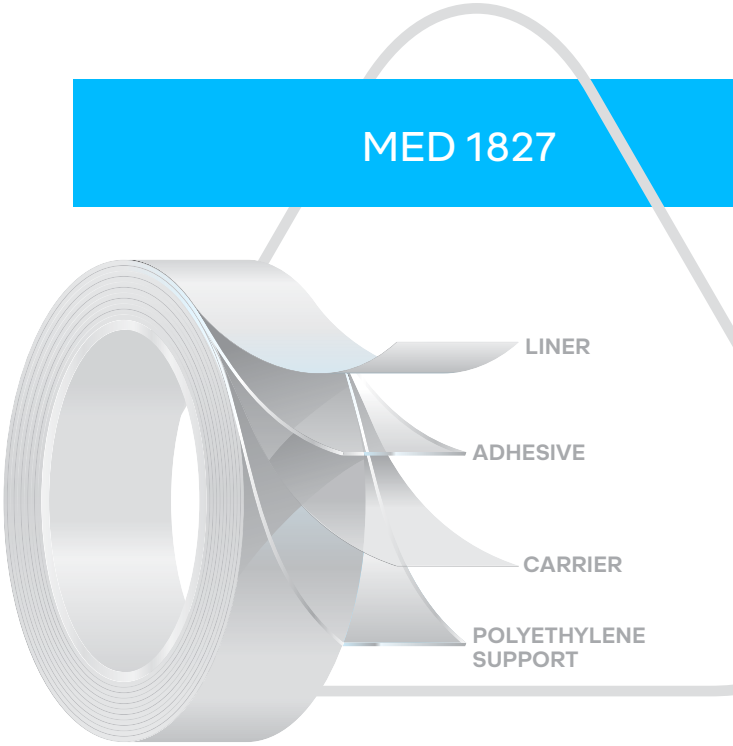
TECHNICAL DATA SHEET

MED 1827

Single-Coated Film

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 Construction

	TYPICAL VALUES*		DESCRIPTION
SUPPORT THICKNESS	1.8 mils	45 µm	Transparent polyethylene film
CARRIER THICKNESS	1 mils	25 µm	Transparent polyurethane film with polyethylene support
ADHESIVE THICKNESS	1.8 mils	45 µm	Acrylic adhesive designed for medical applications
RELEASE LINER THICKNESS	5.1 mils	130 µm	White polyethylene-protected paper

*Refer to product specifications for material acceptance limits.

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Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE	TDS-01	0.7 lbf/in	3 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-03	1.8 lbf/in	8 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
MVTR	TDS-16	32 g/100 in^2 per 24 hr	500 g/m^2 per 24 hr
ELONGATION			
MACHINE DIRECTION	TDS-15	400%	
CROSS DIRECTION	TDS-15	325%	
LOAD AT BREAK			
MACHINE DIRECTION	TDS-15	6.3 lbf/in	28 N/25 mm
CROSS DIRECTION	TDS-15	6.9 lbf/in	30 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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