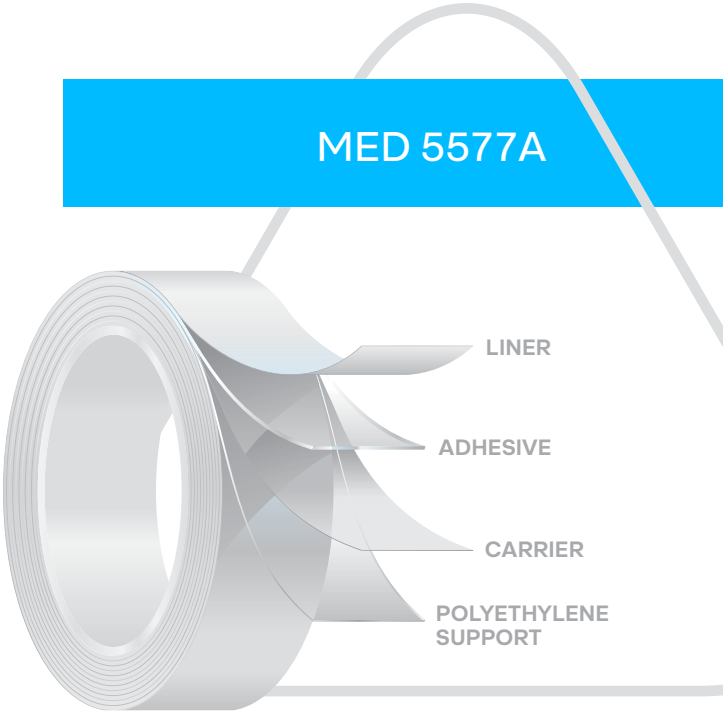
TECHNICAL DATA SHEET

MED 5577A

Single-Coated Film



MED 5577A is a single-coated, soft, pliable, transparent polyurethane film with a thin acrylic highly absorbent adhesive. This product's unique and patented adhesive formulation, TASA™, Thin Absorbent Skin Adhesive, allows air and moisture to pass freely through the breathable adhesive and film carrier, which can support extended wear time and reduce the likelihood of skin maceration. Its soft, low-friction transparent film allows for site visibility and its thin profile increases conformability.

TYPICAL APPLICATION

Designed for ostomy flanges and securement.

FEATURES AND BENEFITS

- Thin and conformable
- Breathable
- Moisture resistant
- Transparent
- Absorbent adhesive
- Printable
- Die-cuttable
- Gamma and EtO sterilizable

Product Construction

	TYPICAL VALUES*		DESCRIPTION
SUPPORT THICKNESS	1.8 mils	45 µm	Transparent polyurethane film
CARRIER THICKNESS	1.0 mils	25 µm	Transparent polyurethane film
ADHESIVE THICKNESS	3.9 mils	100 µm	Thin absorbent acrylic adhesive designed for medical applications
RELEASE LINER THICKNESS	3.4 mils	85 µm	White super-calendered glassine 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	0.2 lbf/in	1 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-03	2.2 lbf/in	10 N/25 mm
LINER RELEASE	TDS-06	0.6 oz/in	26 g/25 mm
FINAT TACK	TDS-07	2.0 lbf/in	7.8 N/25 mm
DYNAMIC SHEAR	TDS-10	72 lbf/in	322 N/25 mm
MVTR	TDS-17	80 g/100 in^2 per 24 hr	1240 g/m^2 per 24 hr
STATIC ABSORBTION	TDS-17	160 g/100 in^2 per 24 hr	2481 g/m^2 per 24 hr
ELONGATION			
MACHINE DIRECTION	TDS-15	650%	
CROSS DIRECTION	TDS-15	625%	
LOAD AT BREAK			
MACHINE DIRECTION	TDS-15	7.5 lbf/in	34 N/25 mm
CROSS DIRECTION	TDS-15	7.5 lbf/in	34 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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