

TECHNICAL DATA SHEET

MED 5581H

Hydrocolloid

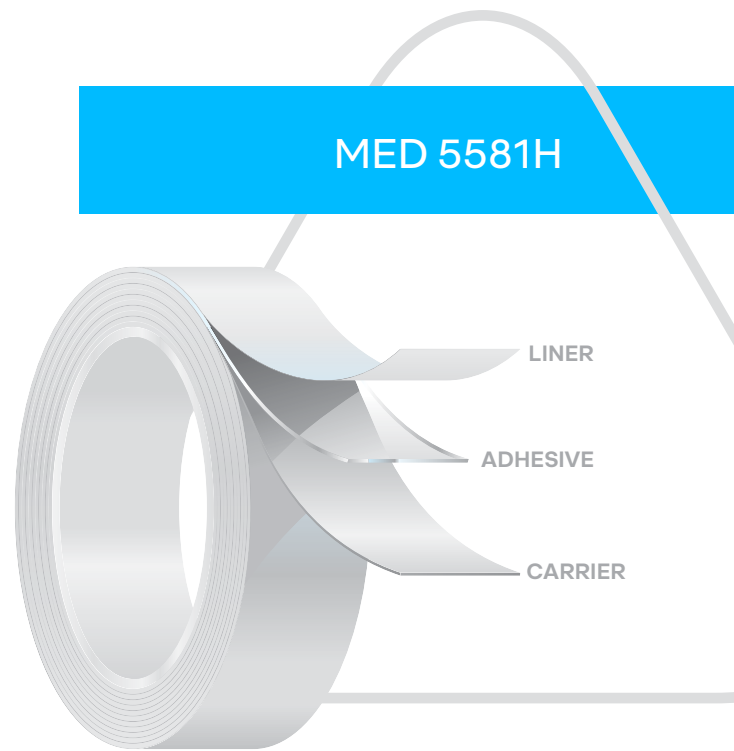
MED 5581H is a single-coated, transparent, soft, pliable polyurethane film containing an integrated hydrocolloid formulation. This product's absorbent adhesive is designed to limit break down upon saturation, to assist in creating optimal skin and wound healing conditions, and has a high fluid handling capacity.

TYPICAL APPLICATION

Designed for wound care, ostomy flange applications and fixation of medical devices.

FEATURES AND BENEFITS

- Conformable
- Integrated hydrocolloid
- High absorption rate
- Moisture resistant
- Printable
- Die-cuttable
- Gamma sterilizable



Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	2.8 mils	70 μm	Transparent polyurethane film
ADHESIVE THICKNESS	39 mils	1000 μm	Hydrocolloid designed for medical applications
RELEASE LINER THICKNESS	5.1 mils	130 μm	White polyethylene-protected paper

*Refer to product specifications for material acceptance limits.

Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE	TDS-02	0.5 lbf/in	2 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-04	1.7 lbf/in	7.5 N/25 mm
LINER RELEASE	TDS-06	4.7 oz/in	135 g/25 mm
REVERSE TACK	TDS-09	4.1 lbf/in	18 N/25 mm
STATIC SHEAR	TDS-14	140 minutes	
MVTR	TDS-17	23 g/100 in ² per 24 hr	350 g/m ² per 24 hr
STATIC ABSORPTION	TDS-17	530 g/100 in ² per 24 hr	8250 g/m ² per 24 hr

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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