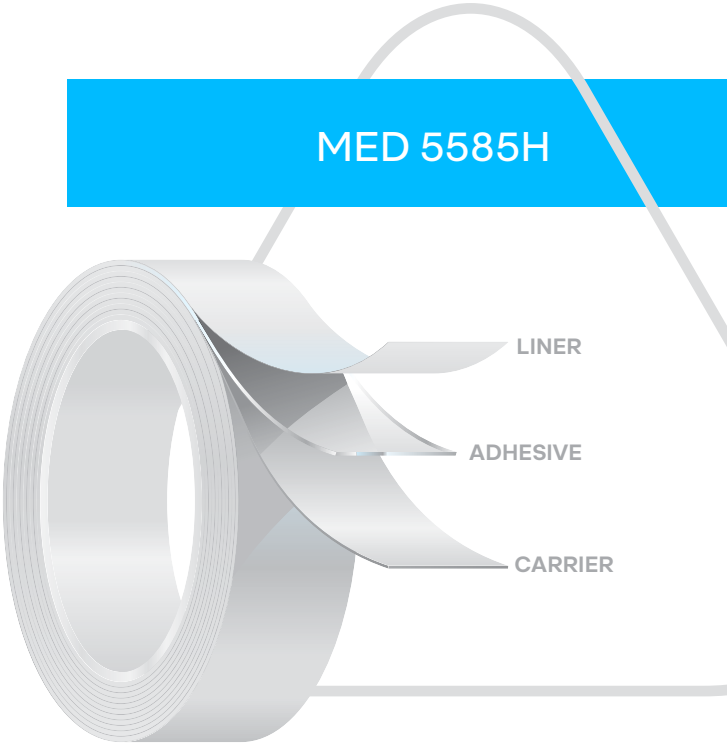
TECHNICAL DATA SHEET

MED 5585H

Hydrocolloid



MED 5585H is a single-coated, transparent polyurethane film with an advanced and highly integrated hydrocolloid formulation. This product's absorbent adhesive is designed to not break down upon saturation, to provide for a low profile, to assist in creating optimal skin and wound healing conditions, and has a high fluid handling capacity.

TYPICAL APPLICATION

Designed for wound care and fixation of medical devices.

FEATURES AND BENEFITS

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

Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	2.8 mils	70 µm	Transparent polyurethane film
ADHESIVE THICKNESS	12 mils	300 µm	Hydrocolloid designed for medical applications
RELEASE LINER THICKNESS	5.1 mils	128 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-02	0.5 lbf/in	2.3 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-04	1.3 lbf/in	5.5 N/25 mm
LINER RELEASE	TDS-06	2.9 oz/in	45 g/25 mm
REVERSE TACK	TDS-09	3.7 lbf/in	16 N/25 mm
STATIC SHEAR	TDS-14	2300 minutes	
MVTR	TDS-17	39 g/100 in^2 per 24 hr	600 g/m^2 per 24 hr
STATIC ABSORPTION	TDS-17	200 g/100 in^2 per 24 hr	3100 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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