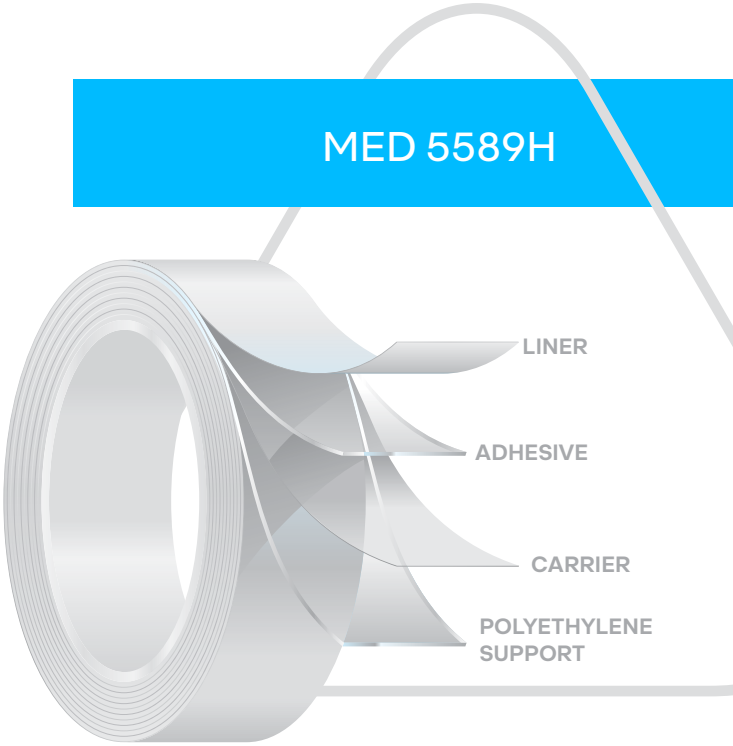
TECHNICAL DATA SHEET

MED 5589H

Hydrocolloid

MED 5589H is a transparent polyurethane film containing an advanced and integrated hydrocolloid formulation. This product's absorbent adhesive is designed to not break down upon saturation, provides a low profile, assists in creating optimal skin and wound healing conditions and has a high fluid handling capacity.



TYPICAL APPLICATION

Designed for wound care applications 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
SUPPORT THICKNESS	1.0 mils	25 µm	Transparent polyethylene film
CARRIER THICKNESS	1.8 mils	45 µm	Transparent polyurethane film
ADHESIVE THICKNESS	23.6 mils	600 µm	Hydrocolloid designed for medical applications
RELEASE LINER THICKNESS	5.1 mils	130 µm	White super-calendered glassine

*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	2.0 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-03	1.3 lbf/in	5.5 N/25 mm
LINER RELEASE	TDS-06	2.9 oz/in	50 g/25 mm
REVERSE TACK	TDS-09	3.7 lbf/in	16 N/25 mm
STATIC SHEAR	TDS-14	2300 minutes	
MVTR	TDS-17	23 g/100 in^2 per 24 hr	350 g/m^2 per 24 hr
STATIC ABSORPTION	TDS-17	304 g/100 in^2 per 24 hr	4710 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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