

# TECHNICAL DATA SHEET

MED 5589H

## Hydrocolloid

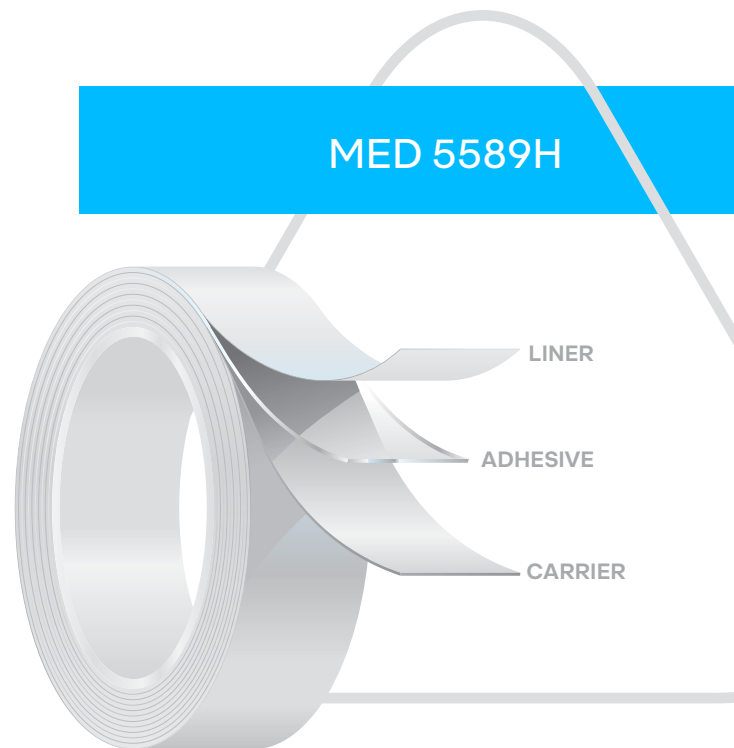
MED 5589H is a transparent polyurethane film containing an advanced and integrated hydrocolloid formulation. This product's absorbent adhesive is designed to not break down upon saturation, provides a low profile, assists in creating optimal skin and wound healing conditions and has a high fluid handling 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
CARRIER THICKNESS	2.8 mils	70 µm	Transparent polyurethane film
ADHESIVE THICKNESS	24 mils	600 µm	Hydrocolloid designed for medical applications
RELEASE LINER THICKNESS	5.2 mils	130 µm	White super-calendered glassine

\*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	2.0 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 <sup>2</sup> per 24 hr	350 g/m <sup>2</sup> per 24 hr
STATIC ABSORPTION	TDS-17	304 g/100 in <sup>2</sup> per 24 hr	4710 g/m <sup>2</sup> 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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