

# TECHNICAL DATA SHEET

MED 5559H

## Hydrocolloid

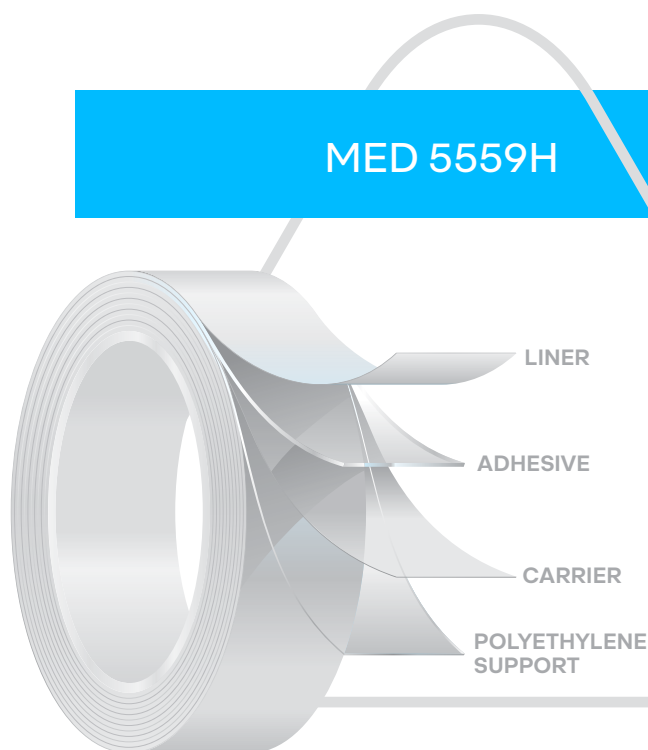
MED 5559H is a single-coated, transparent polyurethane film containing an integrated hydrocolloid formulation. This product's absorbent adhesive is designed to limit break down upon saturation, assists in creating optimal skin and wound healing conditions, and has a high absorptive capacity upon saturation.

### 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



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### Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	2.8 mils	70 $\mu\text{m}$	Transparent polyurethane film
ADHESIVE THICKNESS	12 mils	300 $\mu\text{m}$	Hydrocolloid designed for medical applications
RELEASE LINER THICKNESS	3.4 mils	85 $\mu\text{m}$	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	0.2 lbf/in	0.9 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-03	1.0 lbf/in	4.6 N/25 mm
LINER RELEASE	TDS-06	5.8 oz/in	52 g/25 mm
REVERSE TACK	TDS-09	3.5 lbf/in	15 N/25 mm
STATIC SHEAR	TDS-14	>10000 min	
MVTR	TDS-17	3 g/100 in <sup>2</sup> per 24 hr	50 g/m <sup>2</sup> per 24 hr
STATIC ABSORPTION	TDS-17	194 g/100 in <sup>2</sup> per 24 hr	3000 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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