

TECHNICAL DATA SHEET

MED 5541H

Hydrocolloid

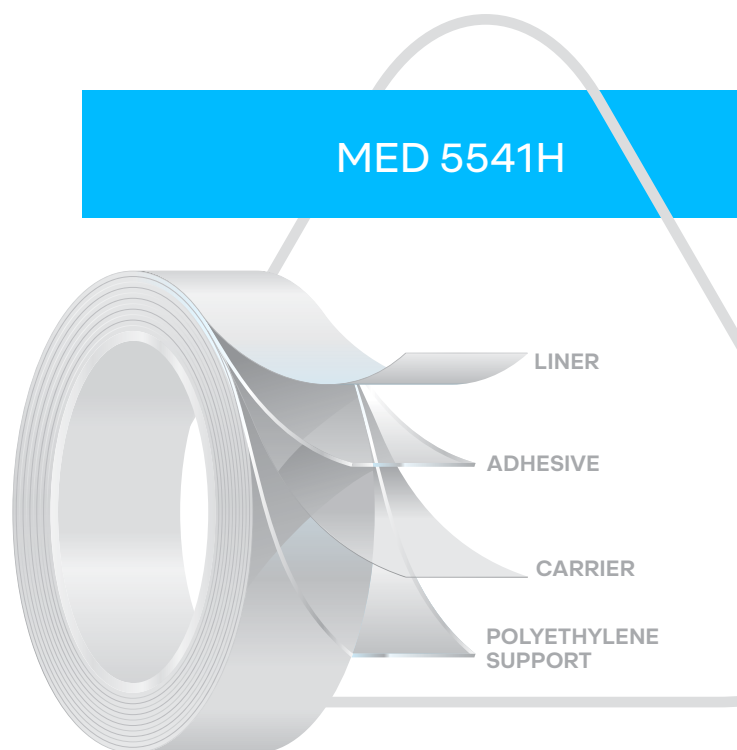
MED 5541H is a single-coated, transparent polyurethane film with an advanced and highly integrated hydrocolloid formulation. This product's absorbent adhesive is designed to not break down upon saturation, to provide for a low profile, to assist in creating optimal skin and wound healing conditions, and has a high fluid handling capacity. Its high tack property offers a high degree of securement.

TYPICAL APPLICATION

Designed for wound care, ostomy and fixation of medical devices

FEATURES AND BENEFITS

- High tack
- Conformable
- Highly integrated
- Transparent
- High absorption rate
- Moisture resistant
- Die-cuttable
- Gamma sterilizable



Product Construction

	TYPICAL VALUES*		DESCRIPTION
SUPPORT THICKNESS	1.8 mils	45 μ m	Transparent polyethylene film (support film)
CARRIER THICKNESS	1.0 mils	25 μ m	Transparent polyurethane film
ADHESIVE THICKNESS	12 mils	300 μ m	Hydrocolloid designed for medical applications
LINER THICKNESS	3.3 mils	85 μ 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	0.5 lbf/in	2 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-04	3.7 lbf/in	38 N/25 mm
LINER RELEASE	TDS-06	2.3 oz/in	65 g/25 mm
REVERSE TACK	TDS-09	9.6 lbf/in	42 N/25 mm
STATIC SHEAR	TDS-14	9700 minutes	
MVTR	TDS-17	41 g/100 in ² /24 hr	650 g/m ² /24 hr
STATIC ABSORPTION	TDS-17	190 g/100 in ² /24 hr	3000 g/m ² /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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