

# TECHNICAL DATA SHEET

MED 5042

## Single-Coated Film

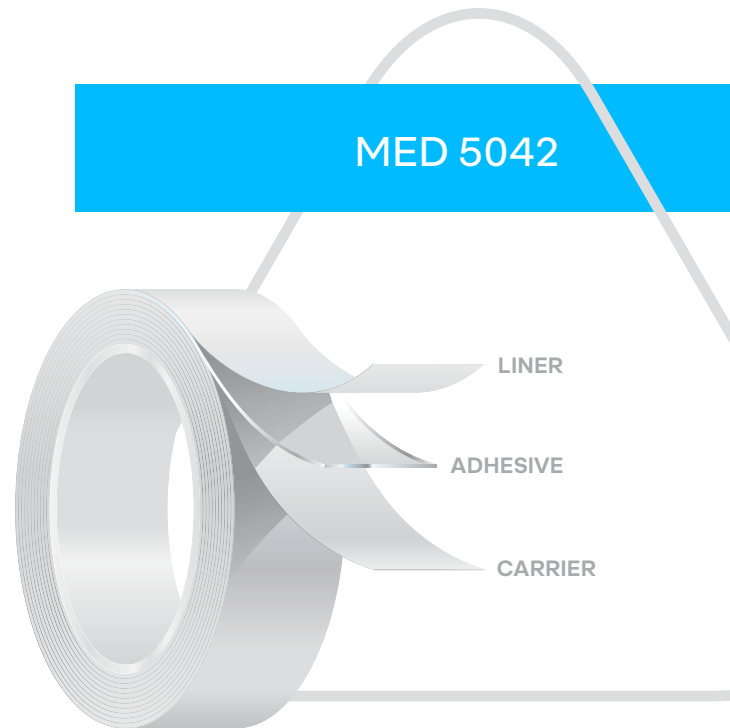
MED 5042 is a single-coated, soft, pliable, transparent polyurethane film with an acrylic adhesive. This product's conformable film offers user comfort, while its transparency allows for wound or site visibility; in some applications, it can act as a barrier to assist in decreasing the risk of bacterial infections.

### TYPICAL APPLICATION

Designed for incise applications, wound care, IV securement and situations requiring high MVTR and sustained periods of wear.

### FEATURES AND BENEFITS

- Breathable
- Transparent
- Conformable
- Moisture resistant
- Bacterial barrier
- Die-cuttable
- Gamma and EtO sterilizable



### Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	2.0 mils	50 µm	Transparent polyurethane film
ADHESIVE THICKNESS	1.0 mils	25 µm	Acrylic adhesive designed for medical applications
RELEASE LINER THICKNESS	3.1 mils	80 µm	White single-coated kraft

\*Refer to product specifications for material acceptance limits.

## MED 5042

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## Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE	TDS-01	0.5 lbf/in	2 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-03	1.8 lbf/in	8 N/25 mm
LINER RELEASE	TDS-06	0.6 oz/in	38 g/25 mm
FINAT TACK	TDS-07	6.9 lbf/in	30 N/25 mm
DYNAMIC SHEAR	TDS-10	16 lbf/in	70 N/25 mm
MVTR	TDS-16	29 g/100 in <sup>2</sup> per 24 hr	450 g/m <sup>2</sup> per 24 hr
ELONGATION			
MACHINE DIRECTION	TDS-15	250%	
CROSS DIRECTION	TDS-15	325%	
LOAD AT BREAK			
MACHINE DIRECTION	TDS-15	16 lbf/in	70 N/25 mm
CROSS DIRECTION	TDS-15	10.8 lbf/in	48 N/25 mm

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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