

# TECHNICAL DATA SHEET

MED 5042

## Single-Coated Film

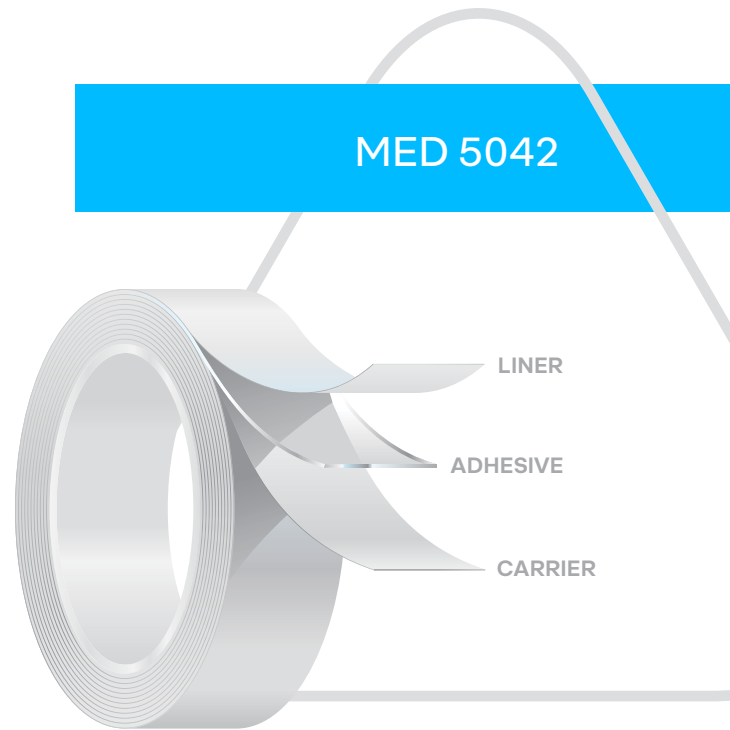
MED 5042 is a single-coated, soft, pliable, transparent polyurethane film with an acrylic adhesive. This product's conformable film offers user comfort, while its transparency allows for wound or site visibility; in some applications, it can act as a barrier to assist in decreasing the risk of bacterial 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 $\mu$ m	Transparent polyurethane film
ADHESIVE THICKNESS	1.0 mils	25 $\mu$ m	Acrylic adhesive designed for medical applications
RELEASE LINER THICKNESS	3.1 mils	80 $\mu$ m	White single-coated kraft

\*Refer to product specifications for material acceptance limits.

## 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
<b>ELONGATION</b>			
MACHINE DIRECTION	TDS-15	250%	
CROSS DIRECTION	TDS-15	325%	
<b>LOAD AT BREAK</b>			
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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US: +1 440 534 2600

Belgium: +32 14 40 48 11

Ireland: +353 43 3349586

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