

TECHNICAL DATA SHEET

MED 5051

Single-Coated Film

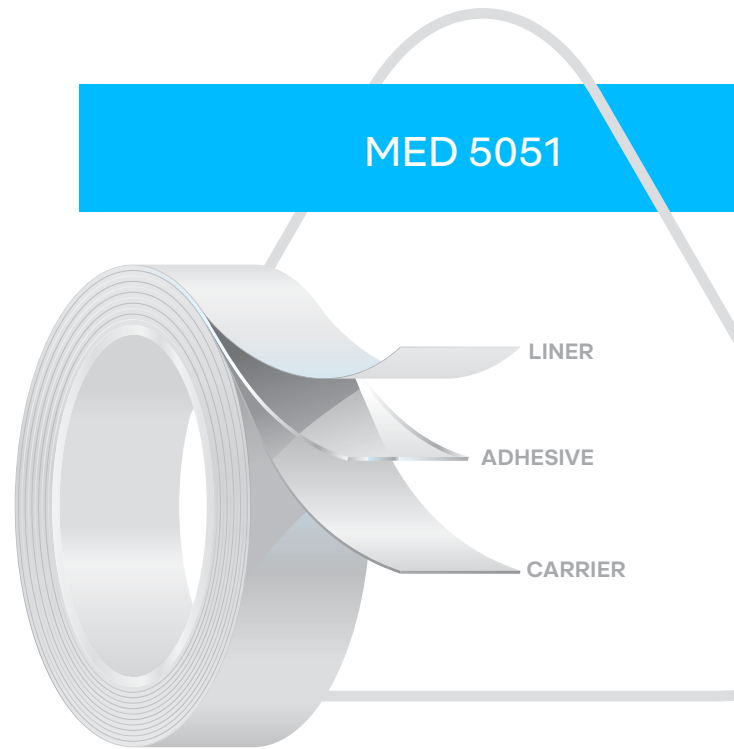
MED 5051 is a single-coated, transparent polyethylene film with an acrylic adhesive.

TYPICAL APPLICATION

Designed for multipurpose applications to include surgical tapes and the fabrication of medical devices.

FEATURES AND BENEFITS

- Transparent
- Conformable
- Moisture resistant
- Die-cuttable
- Printable
- Gamma and EtO sterilizable



Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	3 mils	75 μm	Transparent polyethylene film
ADHESIVE THICKNESS	2 mils	50 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.

Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE	TDS-01	0.8 lbf/in	3.5 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-03	3.4 lbf/in	15 N/25 mm
LINER RELEASE	TDS-06	0.9 oz/in	33 g/25 mm
FINAT TACK	TDS-07	5.5 lbf/in	25 N/25 mm
DYNAMIC SHEAR	TDS-10	25 lbf/in	110 N/25 mm
ELONGATION			
MACHINE DIRECTION	TDS-15	550%	
CROSS DIRECTION	TDS-15	850%	
LOAD AT BREAK			
MACHINE DIRECTION	TDS-15	10 lbf/in	43 N/25 mm
CROSS DIRECTION	TDS-15	8 lbf/in	35 N/25 mm

*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

www.medical.averydennison.com