

TECHNICAL DATA SHEET

MED 5024

Single-coated self-wound polyurethane film on a paper carrier

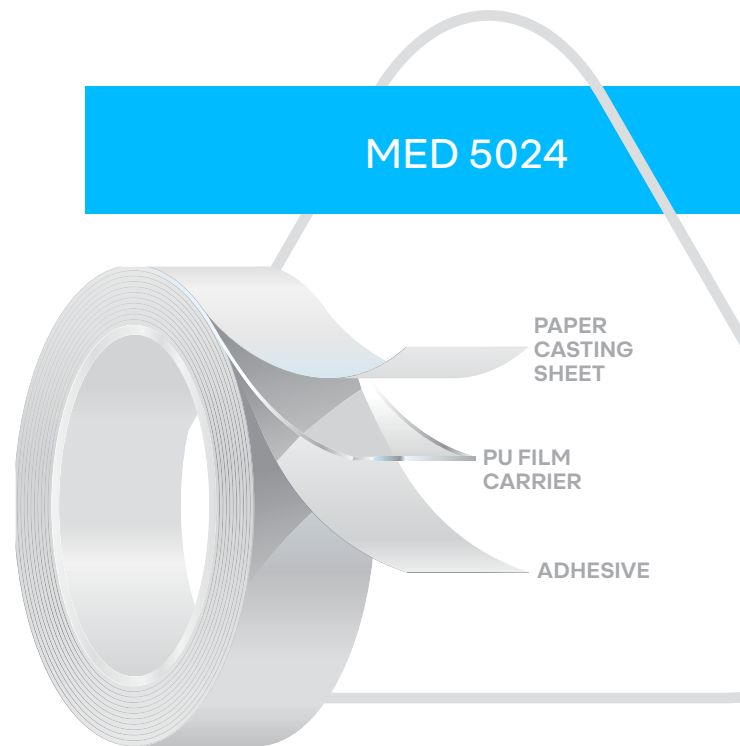
MED 5024 is a single-coated, self-wound polyurethane film with a paper casting sheet and skin-friendly acrylic adhesive. This transparent film has a waterproof bacterial barrier and securely adheres to the skin, acting as a protective shield. The conformable material adheres to various skin contours, and is designed for enhanced user comfort.

TYPICAL APPLICATION

Designed for applications requiring transparency and breathability, including but not limited to vascular access dressings, surgical drapes and wound care applications.

FEATURES AND BENEFITS

- Waterproof, bacterial barrier
- High alcohol resistance
- Conformable with good mechanical resistance
- Paper carrier suited for kiss cutting onto the PU Film
- Sterilization compatibility with Ethylene Oxide (EtO) and Gamma Irradiation



Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER SHEET THICKNESS	4.0 mils	105 µm	White paper casting sheet
CARRIER THICKNESS	0.8 mils	20 µm	Transparent polyurethane film
ADHESIVE THICKNESS	1.1 mils	28 µm	Acrylic adhesive designed for medical applications

*Refer to product specifications for material acceptance limits.

MED 5024

**Self-wound polyurethane film
on a paper casting sheet****Physical Properties** [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE (HDPE)	TDS-01	0.4 lbf/in	1.7 N/25 mm
PEEL ADHESION ON STAINLESS STEEL (SS)	TDS-04	0.9 lbf/in	3.9 N/25 mm
90-DEGREE LINER UNWIND RELEASE	TDS-06	25 gf/2 in	0.44 oz/in
90-DEGREE CASTING SHEET RELEASE	TDS-06	240 gf/2 in	4.2 oz/in
STATIC SHEAR	TDS-12	90 min	
MVTR	TDS-16	770 gm/m ² 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: Shelf life studies are ongoing for MED 5024 but based on similar products should maintain adhesive properties for 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