

TECHNICAL DATA SHEET

MED 5742

Single-Coated Film

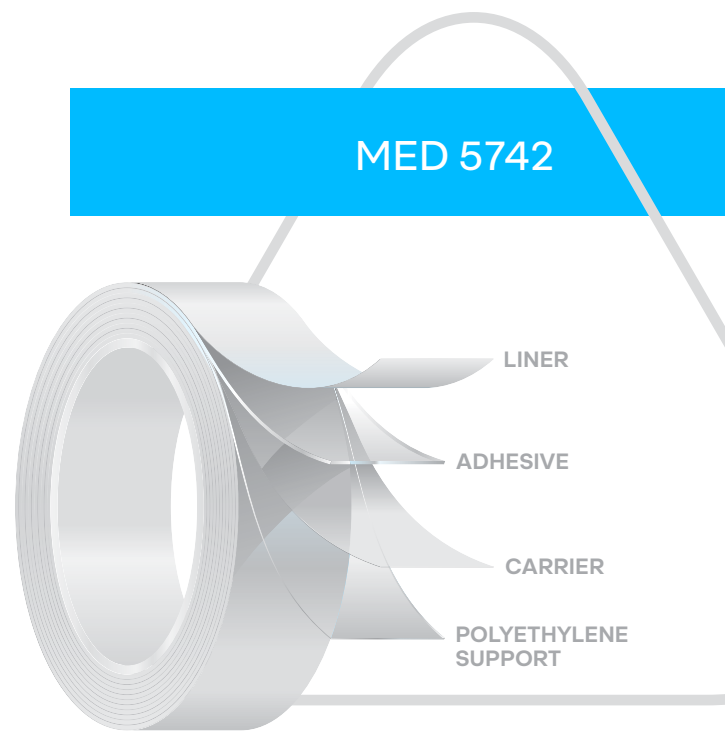
MED 5742 is a single-coated, polyurethane film supported with a polyethylene (PE) carrier with an acrylic adhesive designed for long-term wear. This product is soft, conformable and breathable.

TYPICAL APPLICATION

Designed for multi-week wear-time applications, such as glucose monitors, insulin pumps, activity trackers, electrocardiogram monitors and other mobile health and wellness products

FEATURES AND BENEFITS

- Transparent
- Breathable
- Conformable and flexible
- Demonstrated multi-week wear
- Biocompatible per ISO 10993
- Die-cuttable and easy to handle
- EtO and Gamma sterilizable



Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	1 mil	25 μ m	Polyurethane film with 1.5 mil PE support
ADHESIVE THICKNESS	2 mils	51 μ m	Acrylic adhesive designed for medical applications
LINER THICKNESS	3 mils	76 μ m	White super-calendered 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	1.1 lbf/in	4.8 N/25 mm
PEEL ADHESION ON STAINLESS STEEL	TDS-04	5.2 lbf/in	22.8 N/25 mm
QUICK STICK	TDS-05	3.1 lbf/in	13.6 N/25 mm
90-DEGREE LINER RELEASE	TDS-06	2.1 oz/in	58.6 g/25mm
STATIC SHEAR	TDS-12	1000 minutes	
MVTR	TDS-16	270 g/m ² per 24 hr	23 g/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: Two years when stored at 23°C (73°F), 50% relative humidity, out of direct sunlight, in original packaging.

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