

TECHNICAL DATA SHEET

MED 5739

Single-Coated Nonwoven

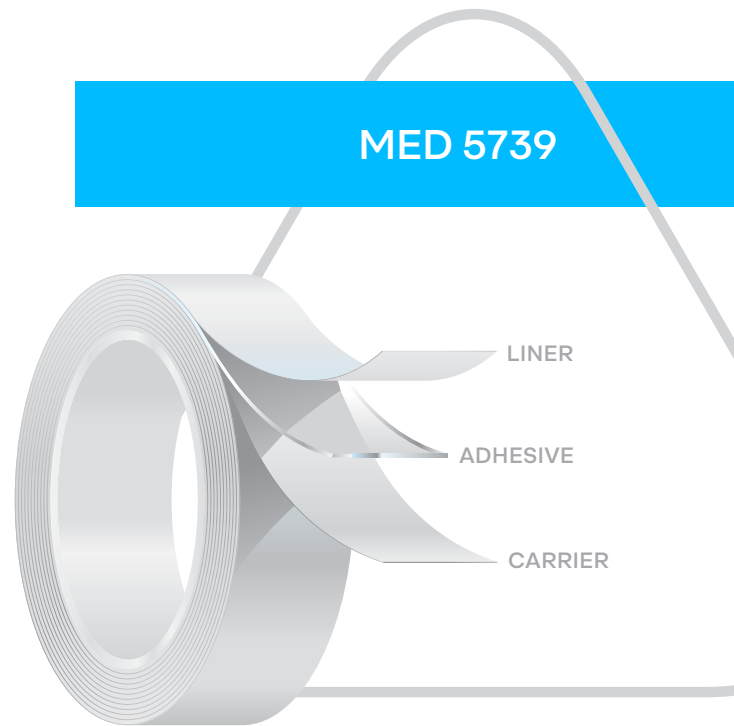
MED 5739 is a single-coated, white polyurethane nonwoven with an acrylic adhesive designed for long-term wear. This product is soft, conformable and breathable.

TYPICAL APPLICATION

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

FEATURES AND BENEFITS

- Breathable
- Conformable and flexible
- Demonstrated multi-week wear
- Biocompatible per ISO 10993
- Die-cuttable and easy to handle
- Sterilization compatibility with Ethylene Oxide (EO) and Gamma Irradiation



Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	3 mils	75 μ m	White thermoplastic polyurethane nonwoven
ADHESIVE THICKNESS	3 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 materials acceptance limits.

Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES**	
PEEL ADHESION ON POLYETHYLENE (PE)	TDS-01	0.8 lbf/in	3.5 N/25 mm
QUICK STICK (GLASS)	TDS-05	4 lbf/in	18 N/25 mm
90-DEGREE LINER RELEASE	TDS-06	175 gf/2in	2.7 oz/in
STATIC SHEAR	TDS-12	760 minutes	
MVTR	TDS-16	740 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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