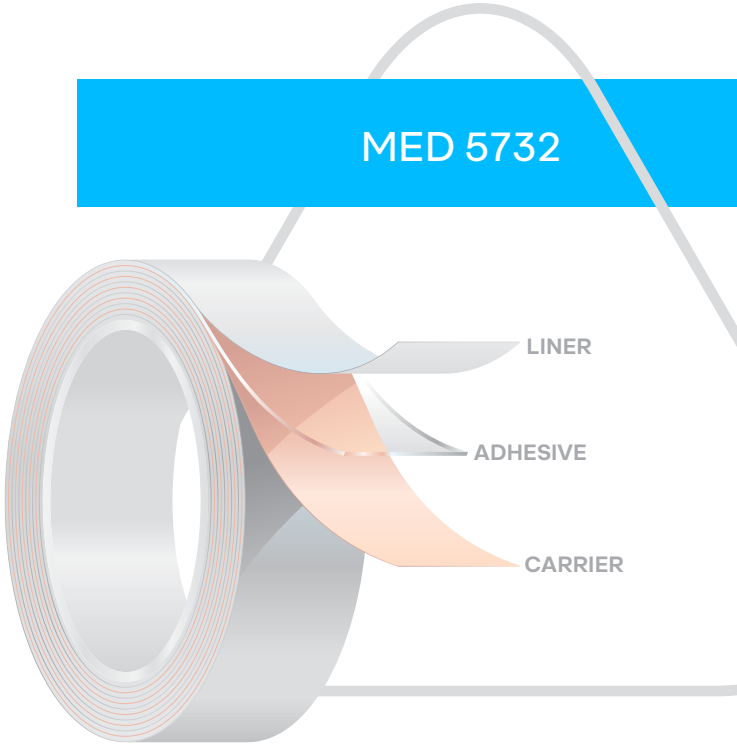
TECHNICAL DATA SHEET

MED 5732

Single-Coated Nonwoven



MED 5732 is a single-coated, tan polyurethane nonwoven with an acrylic adhesive designed for enhanced comfort and wearablity, and is repositionable during the first 24 hours of wear without sacrificing adhesion.

TYPICAL APPLICATION

Designed for applications requiring initial repositionability and breathability, including but not limited to, advanced and consumer wound care, patient monitoring, vascular access and surgical drape applications.

FEATURES AND BENEFITS

- Delivers “soft” release from skin during first 24 hours of contact
- Allows atraumatic repositioning or temporary removal
- Static shear, MVTR, and liner release of normal acrylic adhesive
- Adhesive can be coated on a wide array of carriers and designs
- Sterilization compatibility with Ethylene Oxide (EtO) or Gamma Irradiation

Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	4 mils	101 µm	Tan polyurethane nonwoven
ADHESIVE THICKNESS	1 mils	25 µm	Gentle acrylic adhesive designed for medical applications
LINER THICKNESS	3 mils	76 µm	White single-coated kraft paper liner

*Refer to product specifications for material acceptance limits.

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Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†	
PEEL ADHESION ON POLYETHYLENE (PE)	TDS-01	0.3 lbf/in	
PEEL ADHESION ON STAINLESS STEEL (SS)	TDS-04	0.5 lbf/in	2.2 N/25 mm
90-DEGREE LINER RELEASE	TDS-06	125 gf/2 in	2.2 oz/in
STATIC SHEAR	TDS-12	100 minutes	
MVTR	TDS-16	325 gm/m² per 24 hr	

MVTR, moisture vapor transmission rate.
*Test method information available upon request.
†Refer to product specifications for material acceptance limits.

PERFORMANCE: Wear time based on internal studies should be used only as a guide; results may vary and may be influenced by environmental, use, device design and user attributes. It is recommended that customers conduct their own studies using their specific device design to determine accurate wear times.

STORAGE AND SHELF LIFE: Shelf life studies are ongoing for product 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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