

PRELIMINARY  
TECHNICAL DATA SHEET

MED 5727

**Nonwoven with gentle adhesive**

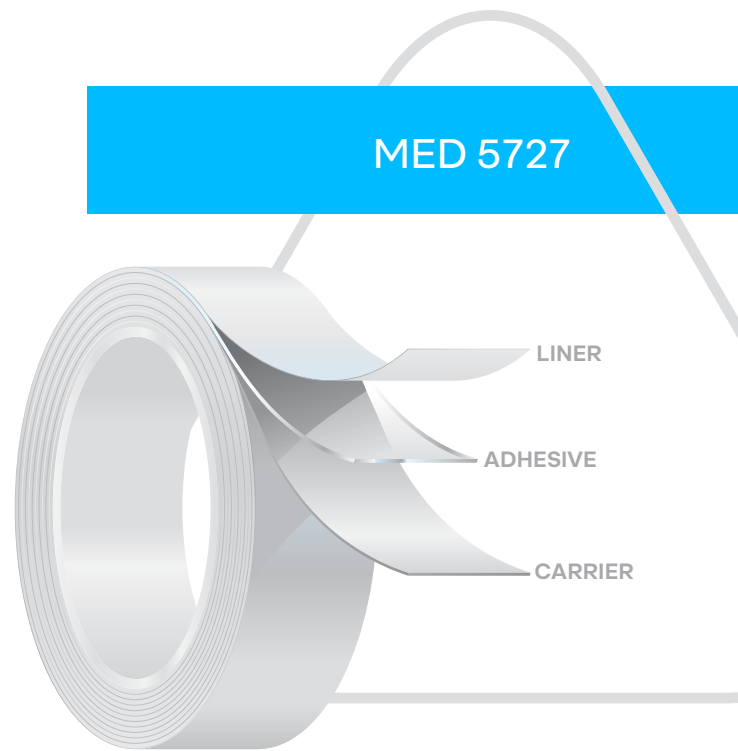
MED 5727 is a white nylon nonwoven with a gentle acrylic adhesive designed to adhere to the skin, with the acrylic side adhesive with good initial tack and adhesion that is suitable for a wide variety of materials. The softness, conformability, and the repositionability of the adhesive offers a high degree of user comfort.

**TYPICAL APPLICATION**

MED 5727 was created for skin-contact applications that require flexibility and a gentler “soft” release at the onset of use without sacrificing static shear. This unique performance mechanism—the ability to remove, reposition and replace—remains active for 48 hours before reverting to traditional acrylic adhesion.

**FEATURES AND BENEFITS**

- Delivers “soft” release from skin during first 48 hours of contact
- Allows atraumatic repositioning or temporary removal
- Static shear and liner release of normal acrylic adhesive
- Sterilization compatibility with Ethylene Oxide (EtO) and Gamma Irradiation



**Product Construction**

	TYPICAL VALUES*		DESCRIPTION
LINER THICKNESS	2 mils	51 µm	2 mil clear PET film
GENTLE ADHESIVE THICKNESS	1 mils	25 µm	Gentle acrylic adhesive designed for medical applications
NONWOVEN CARRIER	9 mils	229 µm	White nylon nonwoven

\*Refer to product specifications for material acceptance limits.

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### Physical Properties [Not intended as a specification]

	TEST METHOD*	TYPICAL VALUES†	
90 DEGREE LINER RELEASE	TDS-06	100 gf/2 in	2.2 oz/in
PEEL ADHESION ON STAINLESS STEEL (SS)	TDS-04	0.2 lbf/in	2.2 N/25mm

\*Test method information available upon request.

†Refer to product specifications for material acceptance limits.

**PERFORMANCE STATEMENT:** 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:** Two years when stored at 23°C (73°F), 50% relative humidity, out of direct sunlight, in original packaging.

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**To learn more about how our material and adhesive science expertise can help drive your next innovation, call us**

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