TECHNICAL DATA SHEET

MED 6503SI

Double-Coated, Trilaminate PU Film with a Soft Silicone Adhesive with 3mm/0.11” perforation pattern

MED 6503SI is a double-coated, transparent polyurethane with a soft silicone adhesive (SSA) to adhere to the skin, and an acrylic adhesive suitable for a wide variety materials. The softness, conformability, and repositionability of the silicone adhesive offers a high degree of user comfort. The 3mm/0.11” perforation pattern the trilaminate construction provides breathability through its perforations, allows for exudate and moisture management, and reduces skin maceration. The silicone adhesive side of the roll is supplied with a blue LDPE release liner. The acrylic adhesive contains a white siliconized LDPE liner.

TYPICAL APPLICATION

Designed for conversion as a silicone wound contact layer (SWCL) into multi-layered advanced wound care dressings. Application areas also include patient monitoring, wearables and ostomy flanges.

FEATURES AND BENEFITS

- Gentle and soft adhesion to the skin
- Repositionable with minimal pain on removal
- Secure fixation
- Transparent
- Conformable and flexible
- 3mm/0.11” perforations allow for exudate and moisture management
- Non irritating, non sensitizing, skin friendly
- Atraumatic removal with minimal epidermal stripping
- EtO sterilizable

Product Construction

	TYPICAL VALUES*		DESCRIPTION
CARRIER THICKNESS	1.6 mils	40 µm	Transparent polyether polyurethane film
SILICONE ADHESIVE COAT WEIGHT	150 gsm		Soft silicone adhesive designed for medical applications
ACRYLIC ADHESIVE COAT WEIGHT	40 gsm		Acrylic adhesive designed for medical applications
SILICONE LINER THICKNESS	4.0 mils	100 µm	Blue LDPE
ACRYLIC LINER THICKNESS	2.0 mils	50 µm	White siliconized LDPE

*Refer to product specifications for material acceptance limits.

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Physical Properties [Not intended as specification]

	TEST METHOD*	TYPICAL VALUES†
SILICONE ADHESIVE COAT WEIGHT	TM043	150 gsm
SILICONE PEEL ADHESION (POLYCARBONATE PLATE)	TM040	>0.5 N/25 mm
SILICONE LINER RELEASE	TM020	0.15 N/25 mm
ACRYLIC PEEL ADHESION (STAINLESS STEEL PLATE)	TM021	8 N/25 mm
ACRYLIC LINER RELEASE	TM020	0.15 N/25mm
PERFORATION DIAMETER	Calibrated calipers	3 mm/0.11”
TOTAL OPEN AREA	N/A	22%

*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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