

TECHNICAL DATA SHEET

MED 5501SI

Single-Coated, Duolaminate PU Film with a Soft Silicone Adhesive with 1.6mm/0.06" perforation pattern

MED 5501SI is a single-coated, transparent polyurethane film with a soft silicone adhesive (SSA). The softness, conformability, and the repositionability of the adhesive offers a high degree of user comfort. The 1.6mm/0.06" perforation pattern in the duolaminate construction provides breathability through its perforations, allows for exudate management, and reduces skin maceration. The silicone adhesive side of the roll is supplied with a blue LDPE release liner. The uncoated side is lined with a white cast paper carrier.

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
- 1.6mm/0.06" 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
ADHESIVE COAT WEIGHT	150 gsm		Soft silicone adhesive designed for medical applications
RELEASE LINER THICKNESS	4.0 mils	100 µm	Blue LDPE
SUPPORT WEIGHT	90 gsm		White cast paper

*Refer to product specifications for material acceptance limits.

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Single-Coated, Duolaminate PU Film with a Soft Silicone Adhesive with 1.6mm/0.06” perforation pattern**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
PERFORATION DIAMETER	TM041	1.6 mm / 0.06”
TOTAL OPEN AREA	N/A	17.4%

*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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US: +1 440 534 2600

Belgium: +32 14 40 48 11

Ireland: +353 43 3349586

www.medical.averydennison.com