

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

Physical Properties (Not intended as a specification.)

	Test Method**	Typical Values*
Silicone Adhesive Coat Weight	TM043	150gsm
Silicone Peel Adhesion (Polycarbonate Plate)	TM040	>0.5N/25mm
Silicone Liner Release	TM020	0.15N/25mm
Perforation Diameter	TM041	1.6 mm / 0.06”
Total Open Area	N/A	17.4%

*Refer to product specifications for material acceptance limits.

**Test method information available upon request.

For questions or to order, please contact your strategic account director or visit our website: vancive.averydennison.com

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Storage and Shelf Life

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

Safety

Customers/users have full responsibility to determine the suitability of Vancive products for applications in their business. This includes both safety and biocompatibility assessments. Material Safety Data Sheets (MSDS) will be provided upon request, as well as summaries of components' biocompatibility testing results (ISO 10993), where available. Customers should perform their own assessments on final products in compliance with applicable regulatory requirements.

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