

# TECHNICAL DATA SHEET

## MED 6503SI Double-Coated, Trilaminar PU Film with a Soft Silicone Adhesive with 3mm/0.11" perforation pattern



MED 6503SI is a double-coated, transparent polyurethane film with a soft silicone adhesive (SSA) to adhere to the skin, and an acrylic adhesive suitable for a wide variety of materials. The softness, conformability, and the repositionability of the silicone adhesive offers a high degree of user comfort. The 3mm/0.11" perforation pattern in the trilaminar 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 paper 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

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	
Acrylic Peel Adhesion (Stainless Steel Plate)	TM021	8.0N/25mm	
Acrylic Liner Release	TM020	0.15N/25mm	
Perforation Diameter	Calibrated calipers	3.0 mm / 0.11"	
Total Open Area	N/A	22%	

\*From literature; reference articles available. Refer to product specifications for material acceptance limits.

\*\*Test method information available upon request.

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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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