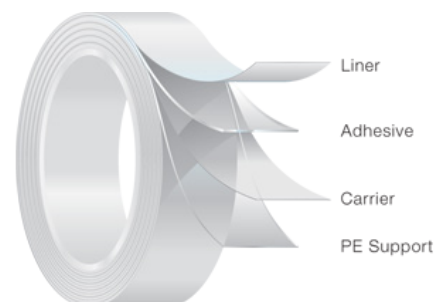


TECHNICAL DATA SHEET

MED 1827 Single-Coated Film

MED 1827 is a single-coated, soft, pliable, transparent polyurethane film with an acrylic adhesive. This product's thin and conformable film offers a high degree of user comfort, while its transparency allows for wound or site visibility; in some applications, it can act as a barrier to assist in decreasing the risk of bacterial infections. This product contains a polyethylene support (casting sheet) to assist with handling and processing, and a heavyweight liner ideal for kiss cutting, die cutting and converting.



Typical Application:

Designed for incise applications, wound care, IV securement and situations requiring high MVTR and sustained periods of wear.

Features and Benefits:

- Thin and conformable
- Transparent
- Breathable
- Die-cuttable
- Printable
- Moisture resistant
- Gamma and EtO sterilizable
- Available with and without handling bars

Product Construction

	Typical Values*		Description
Support Thickness	1.8 mils	45 µm	Transparent polyethylene film
Carrier Thickness	1.0 mils	25 µm	Transparent polyurethane film with polyethylene support
Adhesive Thickness	1.8 mils	45 µm	Acrylic adhesive designed for medical applications
Release Liner Thickness	5.1 mils	130 µm	White polyethylene-protected paper

Physical Properties (Not intended as a specification.)

	Test Method**	Typical Values*	
Peel Adhesion on Polyethylene (PE)	TDS-01	0.7 lbf/in	3.0 N/25 mm
Peel Adhesion on Stainless Steel (SS)	TDS-03	1.8 lbf/in	8.0 N/25 mm
Liner Release	TDS-06	1.8 oz/in	65 g/25 mm
Dynamic Shear	TDS-10	66 lbf/in	290 N/25 mm
Finat Tack	TDS-07	6.9 lbf/in	30 N/25 mm
MVTR	TDS-16	32 [g/100in ² -24 hours]	500 [g/m ² -24 hours]
Elongation			
Machine Direction	TDS-15	400%	
Cross Direction	TDS-15	325%	
Load at Break			
Machine Direction	TDS-15	6.3 lbf/in	28 N/25mm
Cross Direction	TDS-15	6.9 lbf/in	30 N/25mm

*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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