

TECHNICAL DATA SHEET

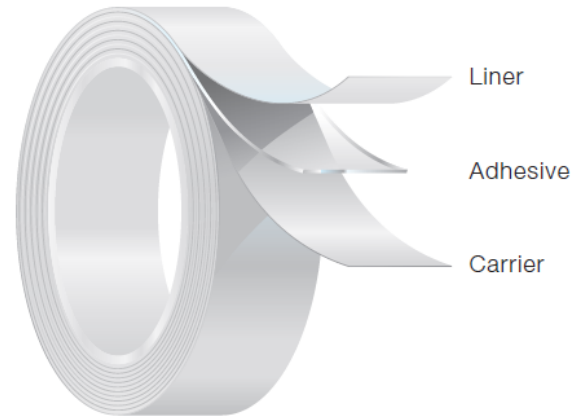
Avery Dennison MED 5743 is a single-coated, white polyurethane nonwoven with an acrylic-based adhesive designed for 21- day wear-time. This product is soft, conformable, and breathable.

TYPICAL APPLICATION

Designed for up to 21 day wear-time applications such as glucose monitors, insulin pumps, activity trackers, electrocardiogram monitors, and other mobile health and wellness products.

FEATURES AND BENEFITS

- Breathable
- Comfortable and flexible
- Demonstrated up to 21-day wear
- Biocompatible per ISO 10993
- Die-cutable and easy to handle
- Sterilization compatibility with ethylene oxide (EO) and gamma irradiation



www.marianinc.com

1-800-773-0062

PRODUCT INFORMATION

	Typical Values		Description
Carrier Thickness	10 mils	260 μ m	White thermoplastic polyurethane (TPU) nonwoven
Adhesive Thickness	4 mils	102 μ m	Acrylic-based adhesive designed for medical applications
Liner Thickness	3 mils	76 μ m	White super-calendered kraft

PHYSICAL PROPERTIES (not intended as a specification)

	Test Method*	Typical Values †	
90-Degree Peel Adhesion on Polyethylene (PE)	TDS-01	2.6 lbf/in	11.5 N/25 mm
90-Degree Peel Adhesion on Stainless Steel (SS)	TDS-04	>8.0 lbf/in*	>35.6 N/25 mm*
Quick Stick	TDS-05	>8.0 lbf/in*	>35.6 N/25 mm*
90-Degree Liner Release	TDS-06	2.6 oz/in	72.5 g/25 mm
Finat Tack	TDS-07	13.6 lbf/in	60.5 N/25 mm
Static Shear	TDS-12	>10,000 minutes	
MVTR	TDS-16	52 g/m ² per 24 hr	

*Adhesion to stainless steel is higher than the internal strength of the carrier, thus peel adhesion is recommended on a polyethylene.

#Test method information available upon request.

† Refer to product specifications for material acceptance limits.

STORAGE AND SHELF LIFE

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

IMPORTANT

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All Avery Dennison materials described herein are sold subject to Avery Dennison Conditions of Sales, a copy of which is available upon request.

To learn more about how our material and adhesive science expertise can help drive your next innovation, call:

United States: +1 440 358 2600

Belgium: +32 14 40 48 11

Ireland: +353 43 3349586

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