

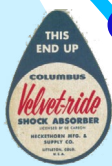


Design. Development. Delivery.



Medical

Avery Dennison: Connecting a history of innovative adhesive-and-materials science to the future of patient care.



1935: Founded Ray Stanton Avery pioneered the labeling industry. His practical genius led to the creation of the first self-adhesive die-cut labeling machine, which transformed how brands and businesses deliver information.



1975: Moved into Medical Avery Dennison recognized the vital role adhesive technology could play in the medical industry.



2012: Rebranded Medical Division In 2012, the Vancive Medical Technologies brand was created. We expanded our capabilities to provide OEMs with the full range of services needed to move products from development to delivery.



2017: Added Private Label Portfolio Finesse Medical was acquired to provide OEMs with a wide portfolio of white-label wound and skin care products as well as expertise in manufacturing and packaging.





2019: Renamed to Avery Dennison Medical Renamed to reflect the proud legacy and collective expertise behind our commitment to OEMs, and the delivery of innovative medical solutions, Avery Dennison Medical is a name you can continue to trust.



Avery Dennison Medical: Delivering high-performance products and customized adhesive solutions

Our applications and technologies are an integral part of products used daily in medical facilities around the world. Our commitment to science and innovation is a constant exploration and development of adhesive solutions that meet the needs of the ever-changing landscape.

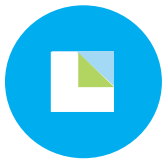
Customized Solutions

<p>Adhesives Acrylics Rubber based Emulsion based Hydrocolloids Adhesives with additives Soft silicone adhesives</p>	 EXPERTISE	<p>Materials Films (PE, PET, PU, PP, PVC, EMA, EVA/PVDC, Vinyl) Foams (PE, PVC, EVA) Nonwovens (PE, PET, PVC, Nylon) Foil</p>
 PRODUCT PORTFOLIO		
<p>Rolled Goods Single-coated tapes Double-coated tapes Transfer tapes Selfwound tapes</p>	<p>Converted Components Ostomy products (flanges) Surgical drapes (negative pressure wound therapy) Films Dressings</p>	<p>Finished Goods TASATM (Thin Absorbent Skin AdhesiveTM) Silicone foam dressings BeneHoldTM CHG Skin barrier films and creams</p>

Addressing a variety of applications

- Surgical
- Ostomy
- Negative pressure wound therapy
- Wound and skin care
- Diagnostics
- Patient monitoring
- Medical wearables

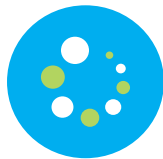
Avery Dennison Medical: Your partner, from design to delivery



Adhesive and materials expertise



Customized solutions



Full product development capabilities



Manufacturing and packaging equipment and facilities



Portfolio-enhancing private label wound care and skin care products



IDEATION

Our R&D team uses their experience in adhesive chemistry and materials science to come up with a range of possible solutions



FORMULATION

Customized adhesive materials will be developed in one of three state-of-the-art adhesive formulating facilities



EXPERIMENTATION

We promote a rigorous scientific approach to the design, testing and evaluation of prototypes to find the optimal solution for your challenge

A team of experts help bring your product to market

When you work with Avery Dennison Medical, you can count on our dedicated team of adhesive chemists, materials scientists, engineers, marketing and sales experts to support your product development and serve your needs.

We are also able to leverage the global footprint of Avery Dennison to meet your expectations for success.





Connect your idea to our capabilities

On time and on budget, from your first call until your products leave the loading dock

Our adhesive chemists and materials scientists work with you to ensure your adhesive-coated material requirements are met successfully.

Fully integrated capabilities for any challenge

With multiple ISO-certified manufacturing plants across the globe, our engineers can ensure your product meets the highest quality standards.



COATING

Adhesive systems (hot melt, solvent, emulsion, radiation, curable)
Precision coat weight capability
Corona treatment

Gravure
Roll
Extrusion (die)
Flexographic
Liner and carrier printing



VALUE-ADDED PROCESSING

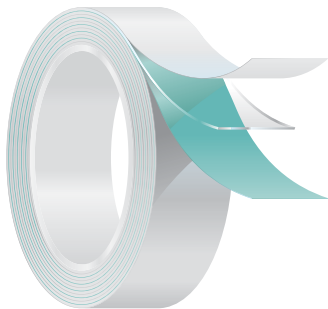
Rotary die-cutting and slitting
Island placement
Vision system
Kiss cutting
Bulk or box packaging

Offering a complete range of services:

- Adhesive formulation and customization
- Materials selection and design support
- Sampling, rapid prototyping and wear studies
- Biocompatibility assessments
- Product stability testing
- Preclinical testing
- Advanced material characterization
- Advanced surface analysis
- Performance and release certification
- Sterilization

The Avery Dennison Medical Portfolio:

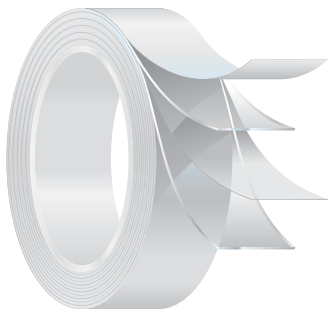
Rolled goods



Single-Coated Tapes

Adhesive coated on one side of a film, foam, foil or nonwoven carrier. Release liner is coated on one side with silicone to protect the adhesive.

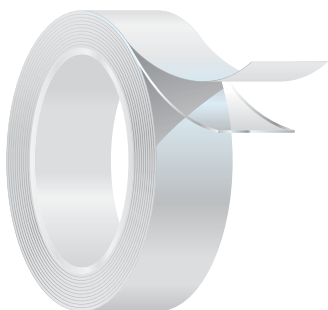
- Available with a number of adhesive types and coat weights
- Used in a many applications, including electromedical, ostomy and wound care
- Provided with and without added polyethylene (PE) support (casting sheets)



Double-Coated Tapes

Adhesive coated on both sides of a film, foam or nonwoven carrier.

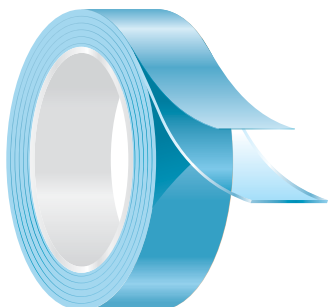
- Provides improved internal strength, greater dimensional stability and easier converting
- Helps support stretchy materials



Transfer Tapes

A layer of unsupported adhesive directly coated onto a release liner that is coated with silicone on both sides.

- Ideal for device mounting and foam bonding
- Acrylic transfer tapes are used in surgical applications
- Hydrocolloid transfer tapes are used in ostomy and wound care applications



Selfwound Tapes

The adhesive is coated on one side of a carrier. The other side of the carrier is generally coated with silicone to enable the tape to unwind easily.

- Selfwound constructions are available with foam and nonwoven carriers



The Avery Dennison Medical Portfolio:

Converted components

Surgical Drape and Film Solutions

- Available for virtually any surgical application
 - Ideal for surgical products requiring bordering, construction and fenestration, and fixation applications
- Come in a range of patented adhesive technologies, including:
 - High-performance, gentle adhesive which adheres to skin and wet drapes for extended periods

Negative Pressure Wound Therapy (NPWT) Drapes

Our proprietary adhesives are:

- The standard of care for this advanced therapeutic technique, which promotes healing in acute or chronic wounds
- Conformable, skin-friendly, breathable and waterproof

Ostomy Flange Solutions

- Provide a skin-friendly barrier that sticks to the skin around the stoma to protect it from stomal output

The Avery Dennison Medical Portfolio:

Private label

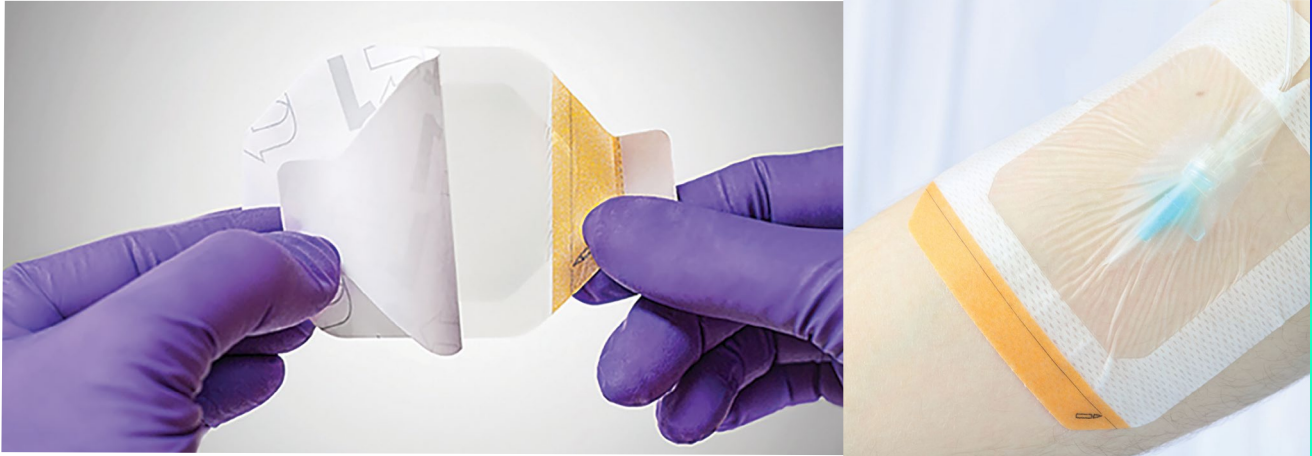
Expand your portfolio quickly and easily with private label products designed, tested and manufactured to meet the highest-quality standards:

- **Wound care:** Advanced products manufactured in ISO-accredited clean room facilities
- **Skin care:** Unique formulas designed to address a wide range of skin conditions

Access operational and regulatory expertise

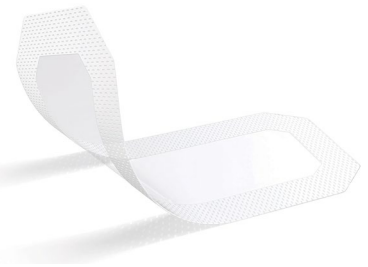
- Save the time, steps and costs associated with bringing a new product to market
- Each product is available with full technical file to support your market registration and launch





The Avery Dennison Medical Portfolio:

BeneHold™ CHG Antimicrobial Adhesive Technology



Chlorhexidine gluconate (CHG) is a well-known antiseptic agent with broad antimicrobial activity. Avery Dennison Medical has built an adhesive technology platform around this proven antiseptic, creating opportunities for the development of new skin-contact adhesives in a world where Hospital Acquired Infections (HAIs) are of growing concern. BeneHold CHG adhesive technology combines Avery Dennison's trusted skin contact adhesives with the antimicrobial benefits of CHG.

BeneHold™ CHG adhesive technology provides sustained, broad-spectrum antimicrobial performance directly at the skin-application site. The technology:

- Incorporates CHG directly into the adhesive
- Eliminates the need for an additional component to hold and deliver the antimicrobial
- Tailors adhesion and fluid management performance to application requirements
- Allows for contact layer to remain transparent and thin
- Offers full visualization of the site (when required for the application)

BeneHold™ CHG antimicrobial adhesive technology

is currently featured in a portfolio of IV cover dressings and post-operative dressings. The technology is customizable to meet end user requirements and is expanding into more applications in the surgical and advanced wound care space.

The Avery Dennison Medical Portfolio:

Customized solutions

In addition to our large portfolio of standard adhesives and constructions, we can develop custom formulations that offer features such as long-term wear, moisture management and gentle removal. We also formulate adhesives with additives, including moisturizers, odor absorbers, cosmetics, vitamins, topical pain relievers and antimicrobials, which can provide enhanced features.

Saving you time

- Our unique parallel-track prototype testing and iteration process can help minimize the time-consuming trial-and-error process
 - Puts the wearable medical device on an accelerated path to clinicians and patients
 - Can be completed in just weeks
- Our internal wear studies can provide valuable information helping confirm that the adhesive maintains its strength after undergoing different steps in the manufacturing process

Once design is complete,

our fully integrated manufacturing capabilities can help bring your product to market quickly, easily and cost-efficiently, with a final product that meets the highest quality standards.





Connect to a trusted partner with advanced medical products and customized solutions

Connect to our fundamental know-how

1. Leverage broad supplier network: Our large-scale buying power lets us extend competitively priced raw materials to you.
2. Comprehensive expertise in global regulations: Our regulatory department provides the guidance that meets all necessary testing, labeling and other requirements.
3. Strong manufacturing foundation and trusted external partners: Our team can support you, no matter how big or complex the job.

Simplify the supply chain process

Our expertise in adhesive characteristics and materials, combined with our manufacturing capabilities and converter partnerships, allows for vertically integrated materials and finished products.





Connecting design to development to delivery

An ideal partnership

At Avery Dennison Medical, materials science is our specialty and patient care is our passion. For more than 40 years, we have been innovating adhesive materials and helping advance the development of medical wearables. As a partner for medical device manufacturers, we offer customized solutions, expertise and the facilities to take your ideas from concept to completion. It's all part of how we're making a material difference in patients' lives.

Let us make a difference for you

Customer Focused: We provide comprehensive solutions for our partners

Technologically Advanced: Our expert materials scientists and engineers have a comprehensive, real-world track record in developing medical device products

Globally Integrated: We are able to leverage our worldwide presence for efficient and innovative solutions

Dedicated to Sustainability: More energy-efficient initiatives lower our carbon footprint and greenhouse gas emissions¹

1. Data on file. Avery Dennison Sustainability Report 2014-16.

CONNECT WITH US FOR MORE INFORMATION!



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