



Advancing possibilities in medical wearables

Avery Dennison Medical offers expertise and
customized solutions to bring your vision to life



Medical

We offer innovative products— and customized solutions— to meet your every challenge



If our extensive catalogue of ready-to-use materials do not include a perfect fit for your product's requirements, we can create a customized solution to meet your specific needs.

Custom formulations can be designed to:

- Enable use on fragile skin for pediatric and elderly use
- Facilitate long-term wear for diabetes management and monitoring
- Provide the moisture-resistance and conformability required for fitness applications
- Provide secure bonding for multi-day drug delivery
- And more

HOW WE CREATE CUSTOMIZED SOLUTIONS FOR YOUR PRODUCT'S SPECIFIC CHALLENGES



CUSTOMIZED
SOLUTIONS



COLLABORATION

Our team will work directly with yours to assess the product needs and challenges.

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 our 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.

Did you know...

When you have a device challenge to solve, our adhesive team of experts can provide a fast solution: by designing and testing several prototypes simultaneously, they can assess multiple variables in an iterative process that saves you valuable time.

Your ideal partner— from design to development to delivery

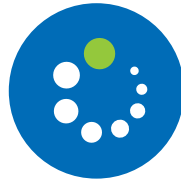
Avery Dennison Medical is uniquely positioned to help you bring top-quality medical wearables to market effectively and efficiently.



ADHESIVE
AND MATERIALS
EXPERTISE



CUSTOMIZED
SOLUTIONS



FULL PRODUCT
DEVELOPMENT
CAPABILITIES



MANUFACTURING
AND PACKAGING
EQUIPMENT
AND FACILITIES

When you partner with us, you will have direct and ongoing access to a multidisciplinary team of experts to help your vision come to life. Our solutions and services include:

An integrated platform of technologies and services that streamlines the manufacturing process, reducing costs and decreasing time to market

**RESEARCH AND DEVELOPMENT
REGULATORY GUIDANCE
QUALITY ASSURANCE
MANUFACTURING AND ASSEMBLY
PACKAGING AND LOGISTICS**

Along with our expertise in adhesive characteristics and materials, our extensive manufacturing capabilities and converter partnerships simplify the supply chain by vertically integrating materials and finished product. This allows us to help you stick to your vision, schedule and budget at every stage, bringing your product to market quickly while meeting the highest quality standards. Our large scale also allows us to offer competitive pricing on raw materials.

Our manufacturing technologies and services include:

**ADHESIVE FORMULATION
PRECISION CLEAN ROOM COATING
ADVANCED MANUFACTURING
ISO 13485 QUALITY SYSTEMS**

**RAPID PROTOTYPING
SAMPLING
MATERIAL CHARACTERIZATION
INTERNAL WEAR STUDIES**

Adhesive expertise developed through years of experience

Our adhesive formulations for short-, medium- and long-term wear are informed by our extensive knowledge of skin science, and are intelligently designed to accommodate human factors such as showering, exercising and general comfort. Our experience in material science has shown us which form factors and designs work best for each situation, as well as which are best suited for scaled production.



SKIN SCIENCE > MATERIALS >
HUMAN FACTORS = WEAR TIME

Innovation at every layer

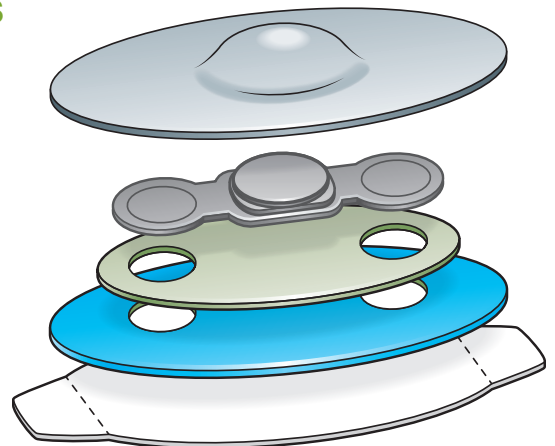
From how our products interact with the skin to how they support medical care, we ensure that every layer is designed for the best possible comfort, wearability, conformability, and overall performance.

CONSTRUCTION / ASSEMBLY-LAYER ADHESIVES

These materials must securely connect the different components of the wearable device. Although they do not directly touch the patient's skin, these materials must be compatible with the skin-contact layer.

SKIN-CONTACT LAYER ADHESIVES

Skin-contact materials attach the wearable device directly to the patient's body. They must bond securely and comfortably to the skin, must allow the skin to breathe naturally, and must accommodate a variety of activity and moisture levels.



Advancements at every level

Our extensive portfolio of ready-to-use adhesives can help make assembling your next wearable device faster and easier.

CONSTRUCTION / ASSEMBLY-LAYER ADHESIVES

PRODUCT	CARRIER	ADHESIVE	BONDS TO LOW SURFACE ENERGY MATERIALS	CONFORMABLE	HIGH SHEAR STRENGTH
MED 8345	PET	Rubber / Rubber	X	X	X
MED 445	BOPP	Rubber / Rubber	X	X	X
FT 9302 SF	PET	Acrylic / Silicone	X	X	X [yes/no]
MED 3044	PE	Acrylic / Acrylic	X	X	X
MED 2021U	Transfer Tape/None	Acrylic	X	X	

SKIN-CONTACT LAYER ADHESIVES

Long-Term Wear [up to 14+ days]

PRODUCT	CARRIER	ADHESIVE TYPE	BREATHABLE	CONFORMABLE	ELASTIC	ABSORPTIVE	TRANSPARENT
MED 5740	White PU Nonwoven	Acrylic	X	X	X		
MED 5741	White PET Nonwoven	Acrylic	X	X			
MED 5742	Transparent PU Film	Acrylic	X	X	X		X

Medium-Term Wear [up to 7 days]

PRODUCT	CARRIER	ADHESIVE TYPE	BREATHABLE	CONFORMABLE	ELASTIC	ABSORPTIVE	TRANSPARENT
MED 5030	Transparent PU Film	Acrylic	X	X	X		X
MED 5051	Transparent PE Film	Acrylic		X			X
MED 5400	White Nonwoven	Acrylic	X	X			
MED 5718P	White PET Nonwoven	Acrylic	X	X			
MED 5719P	White PET Nonwoven	Acrylic	X	X			
MED 5720P	Tan PET Nonwoven	Acrylic	X	X			
MED 5725P	White PE Nonwoven	Acrylic	X	X			
MED 5083H	Embossed PE Film	Hydrocolloid		X		X	
MED 5580H	PU Film	Hydrocolloid	X	X	X	X	X
MED 5583H	PU Film	Hydrocolloid	X	X	X	X	X
MED 5598H	PU Film	Hydrocolloid	X	X	X	X	X

Short-Term Wear [up to 3 days]

PRODUCT	CARRIER	ADHESIVE TYPE	BREATHABLE	CONFORMABLE	ELASTIC	ABSORPTIVE	TRANSPARENT
MED 5074A	Transparent EMA Film	Acrylic		X	X		X
MED 5777A	White PE Nonwoven	Acrylic	X	X			
MED 5778A	Tan PE Nonwoven	Acrylic	X	X			
MED 5500SI	Transparent PU Film	Silicone Gel		X			
MED 6500SI	Transparent PU Film	Silicone Gel / Acrylic		X	X		X

Advancing possibilities in medical applications

With unmatched expertise, an extensive portfolio of medical adhesives, and the ability to create customized solutions, **we help bring your vision to life.**

At Avery Dennison Medical, materials science, innovation and customer excellence are at the heart of everything we do. For more than 40 years, we have been innovating adhesive materials and helping advance the possibilities of medical applications. An ideal partner for medical device manufacturers, we offer customized solutions, innovative rolled goods, converted components and private-label products. Our expertise and capabilities help take our customers' ideas from concept to completion.

It's how we are making a material difference in patients' lives.

Avery Dennison Medical is committed to making sustainability integral to everything we do: we strive continuously to increase energy efficiency, reduce waste, and prioritize responsible material sourcing. We also promote fair labor and safe factory operations that meet global standards and local community needs.

Interested in learning more about how we can help drive your next innovation?

CONNECT WITH US FOR MORE INFORMATION!



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