



Our Innovation. *Your Edge.*

P-DERM® Hydrogel Adhesives

P-DERM® hydrogel adhesives consist of a hydrophilic polymer matrix with a moderate to high water content which helps regulate fluid exchanges with a wound's surface. 100% of our hydrogels are manufactured in the USA and display good adhesion and cooling properties.

Applications

- Moist Wound Dressings
- Minor Burn Care
- Transdermal Drug Delivery
- Blister Prevention
- Active and Passive Wearable Devices
- General Fixation

Attributes

- Non-Conductive
- Biocompatibility with the Skin
- High Absorbing Properties
- Designed for Long Term Wear - Up to 7 Days
- Atraumatic Removal without Residue
- Retains Adhesion When Exposed to Perspiration
- Highly Flexible and Conformable
- Hypoallergenic

Polymer Science Advantages

- Lower minimum order quantity
- Customization of width to minimize waste
- Standard and customized construction available
- Short lead times
- Excellent in-house and field technical support
- Eco-friendly facility

Custom Solutions...

Polymer Science is committed to providing you with today's most innovative skin contact adhesives for the medical industry.

Our diverse team of highly skilled engineers and technical staff, in conjunction with our state-of-the-art equipment, provide you with a quality product that is consistent with your application requirements.

Our design team works quickly to provide the solutions you need, allowing your project to expeditiously move from conception to commercialization giving you the edge to ensure your next project is a success.

Coating Capabilities

We are committed to working closely with you during the design phase of your project. We offer a variety of coating techniques and configurations. We have the ability to load additives into our hydrogel, as well as many other customization options such as:

- Additive Loading
 - Cosmeceuticals
 - Pharmaceuticals
 - Antimicrobials
- Width
- Thickness
- Adhesion Levels
- Carrier and Liner Options
- Construction Configurations

