



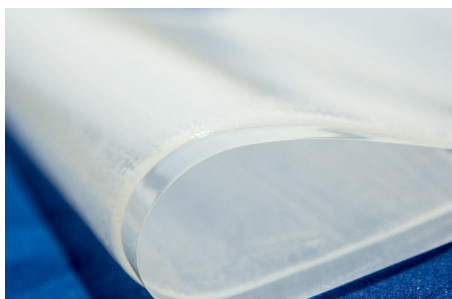
P-DERM® Medical Grade Skin Contact Adhesives



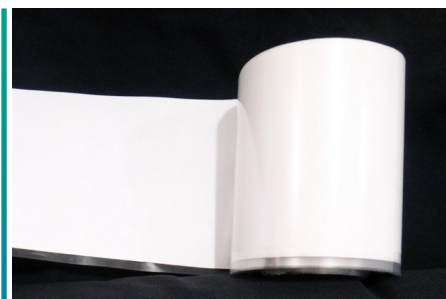
Polymer Science offers P-DERM® medical grade skin contact adhesives ranging from conventional acrylics and medical grade adhesives to our innovative atraumatic, pain free removal silicone gel and hydrogel adhesives. Our coated materials are specifically formulated and fabricated to meet the technological challenges found in the medical industry today with a range of different characteristics to meet the requirements of your application. All of our P-DERM® skin contact adhesives are made in the USA.



Our P-DERM® silicone gel adhesives offer a gentle, yet effective adhesion and naturally conform to the contours of the body. We offer silicone gel adhesives that can be repositioned and offer atraumatic, pain free removal, as well as, higher adhesion silicone gel adhesives that are suitable for long term wear applications. P-DERM® silicone gel adhesives are waterproof, hypoallergenic, and resistant to bacteria.



Our P-DERM® hydrogels are acrylate based, non-conductive materials used for fixation to the body. Polymer Science is capable of loading cosmeceutical, pharmaceutical or antimicrobials into the hydrogel and are compatible with multiple sterilization methods. Our flexible manufacturing process allows us to optimize the width and thickness of our hydrogel adhesives while also promoting batch prototyping and lower minimum order quantities.



P-DERM® medical grade acrylics and medical grade adhesives have a proven compatibility with skin. They also exhibit strong initial tack to porous and non-porous materials and can be laminated to many surfaces including films and foams. P-DERM® acrylics and medical grade adhesives can also be combined with P-DERM® silicone gel adhesives to create dynamic skin-contact trilaminate materials.

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.

Markets Served



- Advanced Wound Care
- Consumer Healthcare
- Ostomy & Incontinence Care
- Transdermal Drug Delivery
- Wearable Device
- General Fixation
- In-Vitro Diagnostics

Customization Capabilities

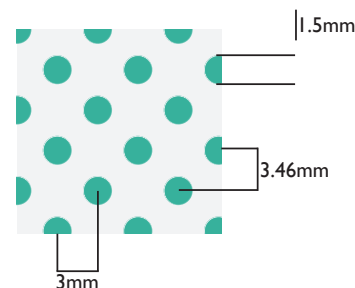
Polymer Science is a roll-to-roll manufacturer of skin contact adhesives. We have the ability to produce our rolls in various widths, lengths and constructions. Polymer Science also has Corona Treatment technology for surface energy modification when necessary as well.

Construction Types: Single Coated, Double Coated, Trilaminate, Multi-Laminate

Coat Weights: Silicone Gel Adhesives -- 25 gsm - 1400 gsm
Acrylic Adhesives -- 20 gsm - 200 gsm
Hydrogel Adhesives -- 120 gsm - 2000 gsm
Medical Grade Adhesives -- 20 gsm - 250 gsm

Perforation: We can perforate all of our P-DERM® skin contact adhesive products. Our flexibility allows us to perforate one or multiple layers of your construction. We have our standard perforation pattern available or we can create a custom pattern specific to your application. Our perforated products boast the highest quality providing clean and consistent holes throughout.

Open Area: 17%



Additive Loading Capabilities and Constructions: Transdermal drug delivery patches provide patients with a pain free, convenient delivery method of an active pharmaceutical or cosmeceutical ingredient. We have the ability to load antimicrobials, cosmeceuticals, and pharmaceutical actives into our adhesives. All of our additives are compounded on-site.