

Surgical

Secure, Effective, Reliable

Lohmann formulates, coats and converts reusable and disposable adhesive systems that have been used as component parts of surgical drapes, incision films and gowns for more than 20 years. As a pioneer in the introduction and development of adhesive systems for the Operating Room, Lohmann has established a reputation for providing innovative high-quality products, including tapes for reusable and disposable drapes, surgical inserts, gown closure systems, reinforcement for tray wraps and drape repair patches. Products can be supplied in full or narrow width rolls, with or without finger-lifts or die-cut to a specific design. Products can also be supplied on branded or plain release liners.



Disposable Drapes

Surgical drapes are used to provide and maintain a bacteria-free operating environment. To achieve this the adhesive tape must bond securely to both the drape material and the patient's skin, its performance cannot be affected by the method used to sterilize the drape or compromised by the pre-operation cleaning solutions.

Lohmann's disposable drape tapes are designed to work with standard practice sterilisation process, including EtO and Gamma Radiation and are compatible with the typical nonwoven and barrier film materials used for the drape construction.

Reusable Drapes

In addition to having the same functional requirements as disposable drapes, reusable drapes must withstand multiple washing cycles over their specified working life. As a consequence the drape tapes used for reusable drapes have to be designed accordingly.

Lohmann provides technically superior adhesive tapes for this application that are designed to be sterilisable by steam and to remove cleanly from the drape during the laundry washing cycle.

Hospital Tapes

Within the hospital environment adhesive tapes are used to perform a range of functions, from securing catheters, IV lines and tubing to providing a secondary fixation for wound dressings and bandages. As the use of hospital tapes are so varied the design and selection of the backing material in combination with the adhesive is very important. Lohmann can supply a range of backing materials and adhesives that when combined offer different features which include, being hand-tearable, stretchable in one of two directions, water-resistant, breathable, providing long-term wear or low-trauma removal.

Gowns

The purpose of a surgical gown is to reduce the transfer of bacteria from the surgical team to the patient as well as to protect the surgical team from blood and other fluids. It is therefore important that the gowns provide a protective barrier as well as being comfortable to wear.

Lohmann offers a number of innovative performance-enhancing solutions for surgical gowns, including seam-sealing adhesives to replace traditional sewing methods and one-part closure systems as an alternative to hook-and-loop.

Incision Films

To provide the patient's skin with protection from surgical instruments and a barrier between the skin and the wound, incision films perform an important function during operation procedures. They must also adhere securely to the patient, be non-reflective, conformable and tear-resistant yet easy to penetrate with a scalpel.

Lohmann's range of adhesive coated films are able to meet the high demands of this application and can also be customised for breathability and adhesion levels. Products can be supplied in master rolls with zone-coated adhesives, in slit rolls and semi-finished with or without a delivery system.

The perfect bonding solution?
The one tailored to your application.
We support you **from the idea** to its
integration **into your process**.



Integrated Innovative Solutions

As a world leader in the development, manufacture and supply of adhesive tape solutions, Lohmann is a trusted partner for the design, scale-up and commercialization of your medical device.

Our “local for local” approach together with a fully integrated supply chain gives Lohmann a truly unique position and one which our customers appreciate as real added value to their business.

At Lohmann we have an in-depth knowledge and capability in many chemistry platforms, including acrylic, synthetic rubber, silicone, cyanoacrylate, epoxy, and polyurethane. Our experience in coating solvent, water-based, hot-melt and multi-component reactive systems ensures that we are never restricted in our ability to develop and deliver customers with the best solution for their application.

By choosing Lohmann as their partner our customers have access to a highly specialized, experienced and effective Medical team who together with the Lohmann organisation can offer:

- a dedicated project management team
- experience of sourcing, developing and processing high-value functional materials
- a broad die-cutting capability including roll-to-roll flat-bed, rotary, pick-and-place and laser-on-the-fly
- expert in-house testing equipment and test method development
- product development and validation processes tailored to customers requirements
- to supply small quantities to support scale-up
- robust, well documented, traceable and fully auditable processes in accordance with EN ISO 13485 Quality Management System

Interested in finding out more on Bonding Solutions for Surgical?

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