



Medical Grade Silicone Film and Sheeting

The medical community trusts Lubrizol's precise, high-quality, medical-grade silicone film and sheets in a variety of clinical applications. Applications range from thin silicone films that provide breathability for advanced wound care to reinforced sheeting that provides strength for implantable devices.

Silicone sheeting and films are available in a wide range of thicknesses with options to meet your specific needs.

Consistent Quality from Development to Production

Lubrizol understands the need for initial orders to operate in the same quality environment as production. It is for this reason that we produce all orders per ISO 13485 in ISO Class 7 cleanrooms using the same quality equipment used for full scale production.

About Lubrizol Life Science - Lubrizol partners with customers to speed their innovative medical devices and differentiated pharmaceutical products to market. Our dedicated team provides best-in-class polymers and excipients, along with state-of-the-art product design, development, and manufacturing services, with the ultimate goal of creating solutions that improve patient outcomes.

For more information visit www.lubrizolmeddevicecm.com.

Support for Product Development

Supported by a dedicated new product development engineering team, Lubrizol will provide you with short lead times for pilot sheeting runs and advice on long term manufacturability that will lead to cost-effective solutions for long term production.

Complete Medical Device Development, Design and Manufacturing Capabilities

Lubrizol offers complete medical device design, development, and manufacturing services. We offer a complete manufacturing solution for silicone medical devices that can incorporate sheeting, dip cast balloons, molded and extruded parts, and silicone tubing all manufactured, assembled, and sterilized by Lubrizol. We offer equally complete services utilizing thermoplastic materials.

Medical Silicone Film and Sheeting

Manufacturing and Secondary Operations



Calendering

- Thickness from 0.005" to 0.125" (13 μm to 3 mm), Durometers 5-80 Shore A
- Vulcanized, unvulcanized and vulcanized/unvulcanized laminate
- With and without reinforcement
- Gloss and matte surface finishes
- Pigments and radiopacity



Extrusion and Knife Coating

- Thickness down to 0.0005", Durometers 1 - 60 Shore A
- Foam and pigments
- Gloss and matte surface finishes
- Adhesive coatings (PSA, silicone gel)
- Multi-Layer (2- and 3-layers standard, other configurations available)



Other Secondary Operation and Services

- Assembly
- Pouching
- Sterilization
- Pad/Screen Printing
- Kiss Cutting
- Through Cutting
- Laser Cutting
- Spray Coating
- Surface Finishing/Features

- Wearables
- Microfluidics
- Device Assembly
- Extreme Temperature Applications
- Advanced Wound Care
- O₂ Permeability

250X Range in Thickness

Film
0.0005" (13 μm)



Sheeting
0.125" (3 mm)