

ARGOMED

custom
engineered
precision
extruded
barrier and
waterproof
breathable
films for
medical
applications

ArgoMed®



SWM
engineered for tomorrow

THE CLEAR CHOICE

Why do medical product professionals around the world specify SWM polyurethane film?

Medical product designers, manufacturers, marketers and distributors around the world look to SWM for consistent, reliable, polyurethane film and sheet products. Used in medical applications such as wound dressings, incise drapes, transdermal drug delivery systems, bladders, and waterproof breathable textile composites, **ArgoMed®** polyurethane films provide:

- Clean room manufacturing.
- Uniform thickness, 0.5 to 125 mils (12.5 to 3125 microns), widths up to 85 inches (2.16 meters)
- Glossy to matte finishes.
- Consistent film recipe from one batch to the next.
- Additive-free products for uniform coating, welding, and forming.
- Biocompatibility.
- High MVT breathability, softness, conformability, stretch and recovery for patient comfort.
- Polyethylene, polypropylene and paper carriers for ease of handling very thin films, or as a component of the final application.
- Controlled peel adhesion between film & paper carrier.
- Unsupported films.
- Compatibility with most commercial adhesive systems.
- Withstands multiple commercial cleanings, as well as EtO and gamma sterilization.

NEW "KISS-CUTABLE" ARGOMEDPLUS 18411 TPU-ON-PAPER

SWM has solved the controlled-release challenge to create **ArgoMedPLUS 18411**. This cutting-edge wound-care product

Reliable performance, uniform gauge, consistent film recipe, a broad range of solutions and clean room manufacturing



Typical frame dressing



- Incise drapes.
- Negative pressure wound therapy dressings.
- Surgical gowns & drapes.
- Incontinence pads.
- Cast and dressing covers.
- Puncture-resistant gloves.
- Orthopedic gel insoles.
- Medical anti-shock trousers.
- Gel-filled positioning pads.
- Inflatable support bladders.
- Pressure infuser cuffs.
- Extraction bags.
- Hospital mattresses, covers.



ArgoMed films can be formulated to provide a breathable liquid and viral barrier.

ArgoMedPLUS® 18411 TPU-on-paper for wound-care frame dressings

combines our highly successful **ArgoMed 18411** waterproof-breathable, aromatic polyether TPU film with a specially coated paper. The result is a controlled release between film and paper, making it ideal for use in frame dressing and incise drape applications that employ kiss-cutting technology. Visit www.swmintl.com for all the details.

FORMULATIONS FOR MANY APPLICATIONS

Thin or thick, gloss or matte, aliphatic or aromatic, polyester or polyether – SWM offers a full line of high-performance polyurethane films for use in a variety of critical medical applications, including:

- IV site dressings.
- Thin film wound dressings.
- Transdermal patches.
- Frame dressings.

INDUSTRY LEADING TECHNICAL SUPPORT

Engineers at the **SWM Innovation Center** stand ready to interact with process engineers at the customer's location to ensure that all **ArgoMed** films perform properly in their production processes.

They are also available to test the newest resins, engineer distinct formulations, and to troubleshoot both new and existing applications.



Excellent cushioning and recovery, resistance to abrasion, skin oils, and bodily fluids make **ArgoMed** films ideal for use in wheelchair and other cushioning as well as bladders and pressure cuffs. With no plasticizers to migrate, they have long shelf life, remaining soft and flexible, ready for use in emergency situations.

TYPICAL PHYSICAL PROPERTIES

Property	ASTM Test Method	Dressings & Drapes 18411	Bladders ST-3655
Gauge	-	1-2 mil	5-125 mil
Tensile stress @ 100% elongation	D-412/ D-638	1500 psi 10.3 MPa	1000 6.9 MPa
Elongation @ break		600%	500%
Tear strength	D-624	600 pli 105.1 kN/m	500 pli 87.6 kN/m
Abrasion resistance	D-1044	2.5 mg loss	2.6 mg loss
MVTR	E-96	>3000 g/m ² -day	<250 g/m ² -day
Viral barrier	1670 1671	pass pass	n/a n/a
Regulatory		USP Class VI CFR 75.105 CFR 177.1680 CFR 177.2600	NSF-61 Potable H ₂ O USP Class VI





engineered for tomorrow

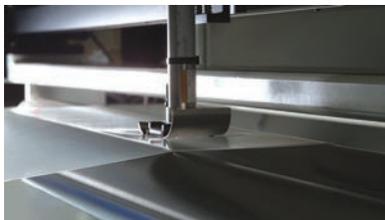
The Clear Choice



Class-7 soft-walled clean rooms inside an 8000 square foot hard-walled white room



Flat-die and blown-film lab lines enhance the SWM Innovation Center's capabilities



Digital in-line gauge control and photographic inspection systems help ensure the best possible film quality



SWM is the clear choice for custom-engineered, high-performance, polyurethane film and sheet for a wide variety of critical “can’t fail” applications. The company has extensive experience in flat-die, cast-on-carrier, and blown-film-extrusion technologies, as well as extrusion coating and multi-layer constructions.

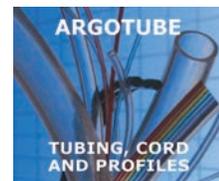
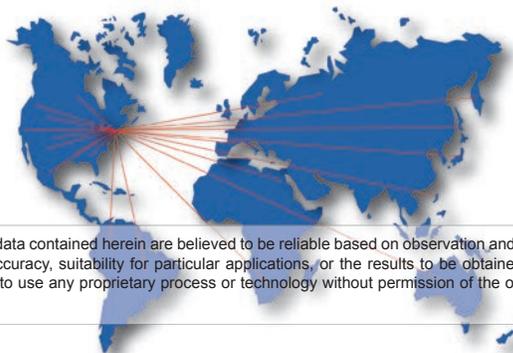
SWM offers precision film & sheet products made from the full range of extrudable polyurethane resins, as well as copolyesters and other difficult-to-extrude specialty thermoplastic elastomers.

A technical force in the specialty films industry, SWM continues to set the standard for innovation, capability, and commitment to excellence in film extrusion and customer satisfaction.

This is evidenced by the **SWM Innovation Center**, the industry’s first-of-its-kind research & development facility devoted solely to advancing the state of polyurethane film and sheet. With a hard-walled white room environment, flat-die and blown-film lab lines, as well as production-level extrusion lines and a fully dedicated research staff, this resource allows SWM to continue to provide its customers with unequalled technical service for decades to come.

At every step of the design and production process, SWM adds value.

SWM is the Clear Choice!



All statements, product characteristics, and performance data contained herein are believed to be reliable based on observation and testing, but no representations, guarantees, or warranties of any kind are made as to accuracy, suitability for particular applications, or the results to be obtained. Nothing contained herein is to be considered to be permission or a recommendation to use any proprietary process or technology without permission of the owner. No warranty of any kind, expressed or implied, is made or intended.



SWM INTL
53 Silvio O. Conte Drive
Greenfield, Massachusetts 01301 USA
tel: (413)772-2564 fax: (413)772-2565
e-mail: ams@swmintl.com web: www.swmintl.com