

**Delnet™**  
Apertured Film



# Delnet™ Apertured Film

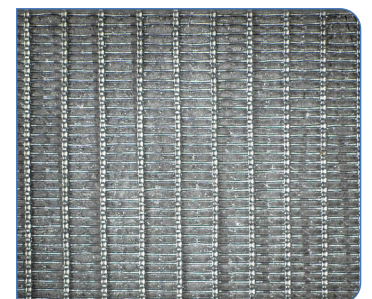
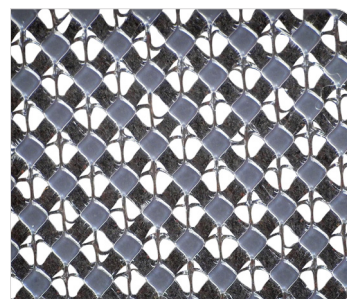
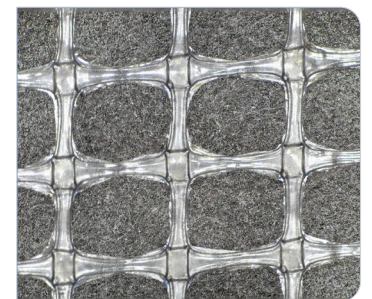
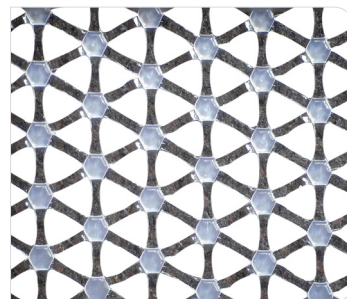
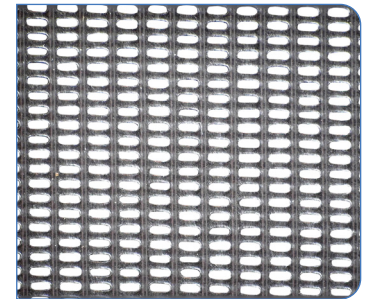
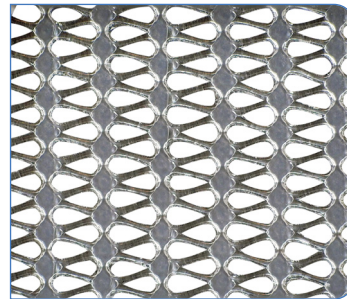
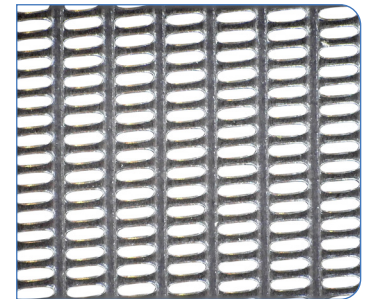
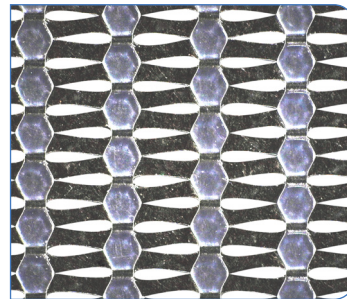
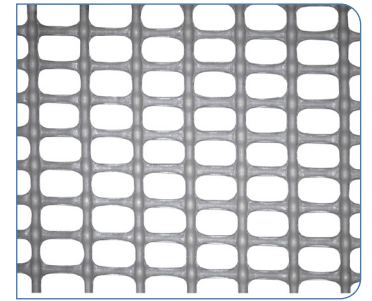
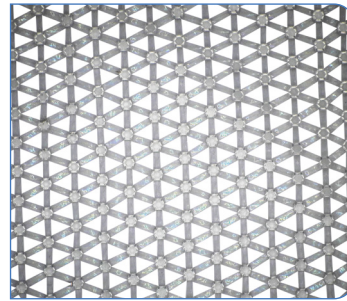
Delnet™ Apertured Film is a lightweight, nonwoven material made from a unique extrusion, embossing and orientation process that creates a thin and consistent polymeric mesh in a variety of hexagonal and square patterns. By varying process parameters, we can customize Delnet to many different market-specific requirements. When co-extruded, Delnet provides unique properties in bonding applications. Choose from a variety of resins, thicknesses, widths, additives and colorants to create your ideal solution.

In medical applications, Delnet excels in providing a flexible surface layer for medical face masks and as an “ouch-less” barrier in finger bandage pads. Industrial filtration applications utilize Delnet as a thin pleat support layer. Delnet also serves unique applications, such as cheese production and seed hibernation, as heat-sealed or sewn bags.

Learn how you can partner with SWM on **essential** solutions for a variety of applications by contacting our sales team at [ams@swmintl.com](mailto:ams@swmintl.com) or visit our website at [www.swmintl.com](http://www.swmintl.com).

## Hexagonal

## Square



## Customization Options

Specifications	Imperial	Metric
<b>Thickness</b>	0.002" to 0.012"	50 to 305 μ
<b>Basis Weight</b>	0.29 to 2.95 oz/yd <sup>2</sup>	10 to 100 gsm
<b>Width</b>	Up to 85"	Up to 2.15 m
<b>Hole Size</b>	0.002" to 0.055"	50 to 1,400 μ
<b>Resins</b>	Polypropylene Polypropylene - Low Volatile Polypropylene - Gamma Stable HDPE, HDPE - Metallocene (mH) TPX, ECTFE Co-Extrusions Include: HDPE/EVA, HDPE/SURLYN, HDPE/MAEC	
<b>Product Certifications</b>	FDA NSF USP Class VI CFR 21 ISO 10993-5	
<b>Services</b>	Cutting, slitting, sheeting, laminating, ultrasonic welding, slabbing, die-cutting, orientation, heat-sealing, rewinding, custom packaging, antimicrobials, flame retardant, anti-static, colorants	

Features	Benefits
<b>Thin Support Layer</b>	Maximizes surface area in high-efficiency filters
<b>High Open Area Uniformity</b>	Ensures no filter “dead spots” when compared to random web nonwovens
<b>High Strength &amp; Durability</b>	Safe for use in demanding applications like filter backwash
<b>Specialized Resins</b>	Choose from a wide variety of resin options to meet your requirements
<b>Flexible &amp; Durable</b>	Ideal solution for textile fabric bonding
<b>Non-Shedding</b>	Eliminate the threat of material shedding from common woven materials in cheese and tofu processing
<b>Heat-Sealable &amp; Sewn</b>	Choose from heat-sealed or sewn bags for spice, rice and tea applications

## Materials for a World of Applications



### Agriculture

Pollination bags for sunflower seed hybridization, safflower, sorghum and tobacco



### Air Filtration

High-efficiency air filters benefit from the extremely thin design that allows more pleats in a cartridge



### Food Processing

High density cheese production and “boil-in” netting that controls porosity and performs well in form-fill-seal equipment



### Medical & Wound Care

Ideal surface layer items that require breathable and heat-resistant materials, such as finger bandages and surgical face masks



### Process Filtration

Robust support layer in liquid filter cartridges that is compatible with a wide variety of fluids and safe for use in backwash applications



### Textiles, Apparel and Rolled Goods

Fusible interlinings material used to reinforce items like shirts, shoes, collars, bedding and cushioning



SWM locations shown (from top to bottom)  
Gilberdyke, UK and  
Middletown, DE, USA

The SWM infrastructure spans the globe and provides strategically placed experts and facilities to respond quickly and efficiently to rapidly evolving market needs. Our diverse product lines are recognized worldwide for their superior performance in a variety of consumer applications. Our ISO 9001, ISO 14001, ISO 50001 and OHSAS 18001 certified facilities are focused on improving our customers products through advanced materials and technologies.



Middletown, DE

Gilberdyke, UK

## About SWM

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SWM is a leading global performance materials company. We use natural fibers, resins, and polymers to provide essential solutions that enhance product performance and help our customers win in a variety of industries and applications. For further information, please visit our web site at [www.swmintl.com](http://www.swmintl.com).

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