



**BLOWN  
AND CAST  
FILM SOLUTIONS**

**WELCOME TO THE  
INTERSECTION OF  
INNOVATION AND  
TECHNOLOGY**

Renowned for innovation and a comprehensive understanding of material science, Optimum Plastics has been a leader in customized blown and cast film solutions since 1971.



**Optimum Plastics**

*The Power of Innovation*

# THE BLOWN FILM ADVANTAGE

Optimum Plastics has advanced 3-Layer and 9-Layer manufacturing capabilities that provide distinct advantages using polyolefins, EVOH, and nylon to mention a few. With a deep commitment to material science, quality control, and exemplary service, Optimum Plastics has assumed a leadership position in customized blown film solutions.

In virtually any layer within Optimum's 9-Layer technology, products can be manufactured with ultra-barrier resins including EVOH and nylon. This enhances balance and curl as well as heat resistance and thermoformability.

## OPTIMUM PLASTICS 9-LAYER CAPABILITIES

Web Widths	10" – 80"
Gauge	.0015 - .010
Tubing	38" – 80"
Roll Outside Diameter	Up to 59.5"
Core Sizes	3" or 6"
Corona Treatment	Up to 50 dynes
Vacuum Bags: Long & Short Hold	.002 - .008

## OPTIMUM PLASTICS 3-LAYER CAPABILITIES

P.O.R. Bags			
Layflat Width	Min. 10"	Max. 78"	.0006 – .008
Gusseted Width	Min. 10"	Max. 102"	.0007 – .006

I.C. Bags – Max. Length 60"			
Layflat Width	Min. 10"	Max. 78"	.0015 – .008
Gusseted Width	Min. 10"	Max. 102"	.001 – .006

Tubing			
Layflat Width	Min. 28"	Max. 80"	.0006 - .008
Gusseted Width	Min. 28"	Max. 102"	.0006 - .008
Perforated Tubing	Min. 28"	Max. 78"	.0006 – .008

Sheeting			
SWS Width	Min. 10"	Max. 80"	.0006 – .008
CF Sheeting	Min. 14"	Max. 80"	.0006 – .008
J-Sheeting	Min. 14"	Max. 80"	.0006 – .008
Perforated Sheets	Min. 14"	Max. 78"	.0006 – .008



Our Blown Film Layers are Designed to Protect Your Products and Extend Their Shelf Life



3-Layer Technology



9-Layer Technology

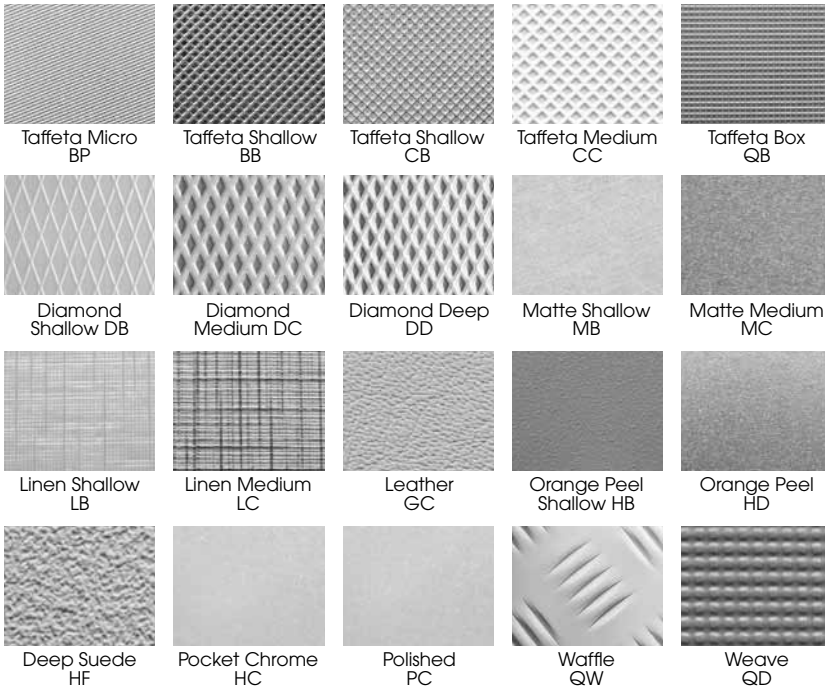


Delaware, Ohio Facility

# THE CAST FILM ADVANTAGE

Optimum Plastics is a leading provider of custom engineered cast film solutions. With a tradition deeply rooted in small to medium sized production runs of polyethylene, polypropylene and nylon materials, Optimum Plastic delivers up to 5-Layer technology solutions to diverse markets and product types. Sales and process engineers with a lifetime of experience in cast film work collaboratively with material science experts and quality control specialists to develop innovative and highly customized products for businesses throughout the world.

## STANDARD EMOSS PATTERNS



## OPTIMUM PLASTICS CAST FILM CAPABILITIES

<b>Film Widths:</b>	1.5" - 88"
<b>Gauge:</b>	.001 - .07 (Emboss)
<b>Basis Weight:</b>	.001 - .040
<b>Roll Diameter:</b>	Standard up to 22" - Select products up to 41"
<b>Core Sizes:</b>	3" or 6"
<b>Corona Treatment:</b>	One or both sides up to 50 dynes
<b>Extrusion Coating:</b>	Structures include plastic film, non-woven, scrim, chopped fiberglass, fabric and other substrates
<b>Perforation:</b>	Films including porous film, needle perforation, transverse perforation (sheet tear-off)
<b>Coating:</b>	Some films are suitable for silicone and adhesive coating
<b>Weldable:</b>	Some films can be welded using RF, heat and ultrasonic methods



Automotive Adhesive Films



Medical and Hygiene Films for Healthcare



Release Films for Aerospace



Bloomer, Wisconsin Facility

# ONE COMPANY. UNLIMITED SOLUTIONS.

With advanced manufacturing facilities in Wisconsin and Ohio, Optimum Plastics has the resources to skillfully create solutions that bring value to businesses around the world. Optimum's material scientists are the most knowledgeable in the industry and will work with you to engineer innovative products of the highest quality.

The combined production capabilities for our custom blown and cast film operations include monolayer up to 9-layer structures, as well as the following:

- Nylon core portfolio of cast embossed and blown films
- Barrier and breathable products incorporating nylon, EVOH and polypropylene
- In-Line bag and liner manufacturing of blown 3 and 9-layer structures
- Extrusion coated capabilities to create multiple layer composite laminations on non-woven, fabrics, cellulose or film
- Chopped reinforced fiberglass composite films

## Typical Resins Include:

- Polyethylene
- Polypropylene
- EVA/EAA/EMAC
- EVOH
- Metallocene
- Nylon
- Specialty Resins

## Fillers and Additives

- Antiblocks
- Antifogs
- Antimicrobials
- Antioxidants
- Antistats
- CaCO<sub>3</sub>, Talc, Mica
- Colors (including Weatherable & HMF)
- Flame Retardants
- Foaming Agents
- Release Agents
- Slips
- UVA/UVI Stabilizers

## OPTIMUM PLASTICS SERVES THESE MARKETS

- |               |                     |                     |                  |
|---------------|---------------------|---------------------|------------------|
| • Aerospace   | • Construction      | • Medical & Hygiene | • Release Liners |
| • Agriculture | • Consumer Products | • Office            | • Rubber Release |
| • Automotive  | • Graphics          | • Packaging         |                  |



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# Optimum Plastics

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