



Custom Films & Laminates

*The Flexible Company*<sup>®</sup>

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## Capabilities

Wiman offers a broad range of [flexible thermoplastic films](#), [rigid thermoplastic films](#) and [film laminates](#). Wiman's extensive polymer portfolio includes:

- Rigid and Flexible PVC
- Polyolefins including Polyethylene, Polypropylene and blends
- Ethylene Vinyl Acetate (EVA)
- Thermoplastic Polyurethane (TPU)
- PETG/Copolyester
- Acrylic (PMMA)
- PLA biopolymer
- ABS
- Polycarbonate (PC)
- and more.

### Contact Wiman

Discuss your project with one of our sales staff to learn how Wiman can help you succeed.

Call today: (320) 259-2554

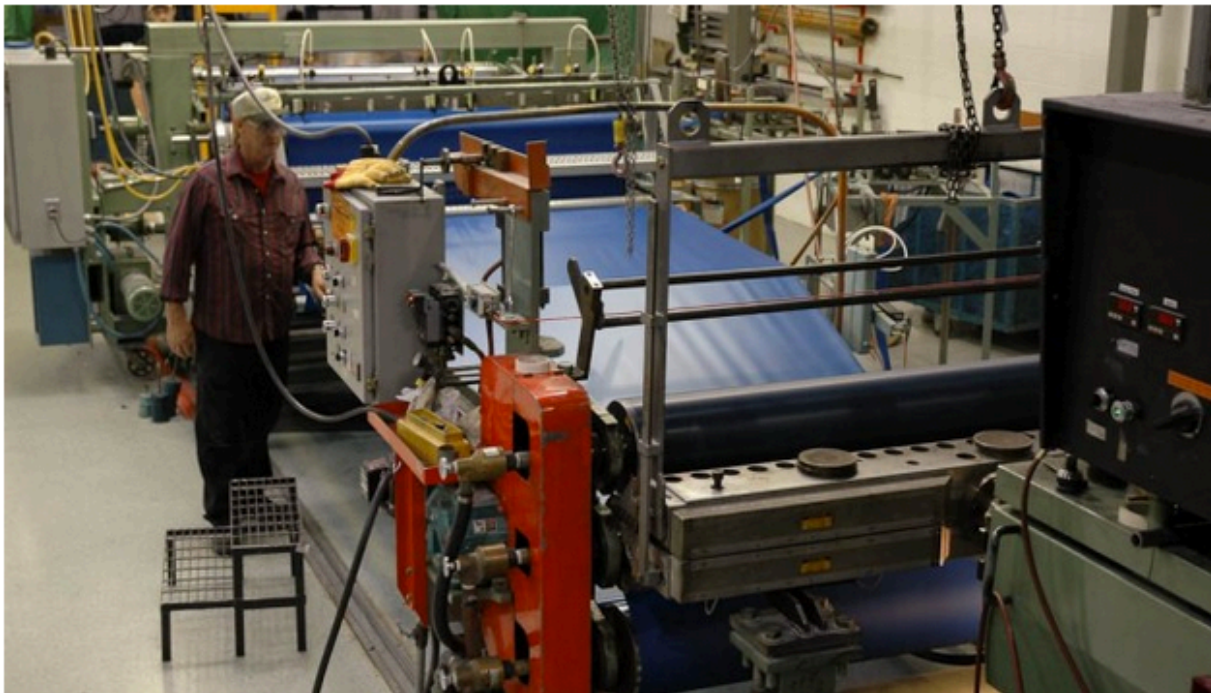
The Wiman Difference

### Wiman Line Cards

Standard (PDF)

Films can be produced in thicknesses ranging from 0.0005 to 0.1870 inch (0.013 to 4.750 mm) and widths up to 60 inches (1,524 mm).

Wiman uses a flat die extrusion process to allow the production of *pinhole-free* film, even at the thinnest gauges. The process also allows us to create laminates in a single inline pass, eliminating the need for adhesives, and the potential "hand" and contamination issues that adhesives can create. Wiman is also expert at producing thin, rigid films to extremely tight tolerances and outstanding edge-to-edge consistency.



Laminate (PDF)

Wiman's technical expertise, often in conjunction with that of our parent, custom compounder RTP Company, allows us to engineer high value [engineered properties](#) into the film, including:

- [Color](#)
- [Electrostatic dissipative](#)
- [Conductive](#)
- [Anti-microbial](#)
- [Flame retardant](#)
- [UV resistance](#)

These properties are available individually or in combination. In addition, we have extensive experience at meeting biocompatibility standards such as USP Class VI and ISO 10993.

## Most of all, Wiman is a flexible partner

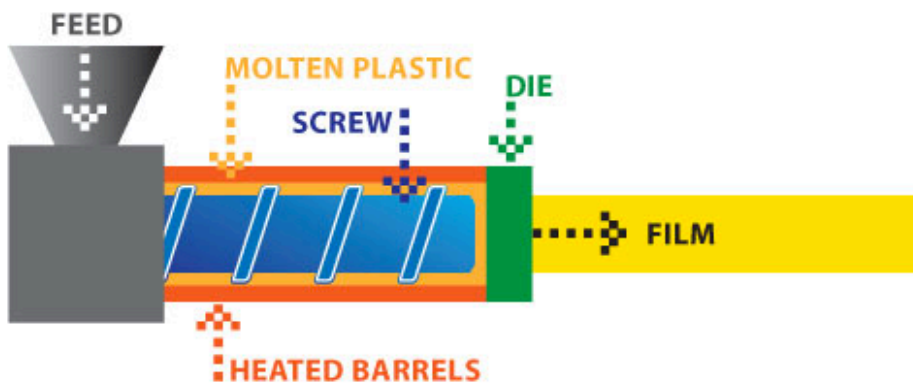
We are known for friendly, dedicated customer service and FAST turnaround on quotations, samples and orders. Lead times are often as fast as 2-3 weeks. We require only 2500 pound (~1100 kg) minimum production orders on most materials, and can provide smaller sample quantities as we work with you on start-up and [development projects](#). We even provide [toll manufacturing services](#), enabling you to produce high quality film from your proprietary or specialized materials.

# Polymer Films

## A broad line of high quality, custom engineered flexible and rigid thermoplastic films, produced through flat die extrusion for quality and consistency

Manufacturers who produce ultra high volume consumer goods such as trash bags and sign banners often use the blown film or calendering production processes to create “good enough” film at rates of thousands of pounds per hour.

For higher quality film, Wiman uses the flat die extrusion process. Flat die extrusion enables tight tolerances, outstanding lot-to-lot consistency in surface quality and appearance, and pinhole-free film even down to the thinnest gauges. In fact, many customers find that, working with us, they can reduce costs by reducing the film thickness specification for their application, since Wiman can produce the thinner version with no pinholes. Flat die extrusion also provides the flexibility to impart different finishes on each side of the film.



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## Wiman Line Cards

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[Metric \(PDF\)](#)

[Laminate \(PDF\)](#)

Wiman has extensive expertise with polymers including, but not limited to:

- Rigid and Flexible PVC
- Polyolefins including Polyethylene, Polypropylene and blends
- Ethylene Vinyl Acetate (EVA)
- Thermoplastic Polyurethane (TPU)
- PETG/Copolyester
- Acrylic (PMMA)
- PLA biopolymer
- ABS
- Polycarbonate (PC)
- and more.

Many of these films can be custom engineered with a host of [engineered custom film properties](#).

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A division of  
custom compounder RTP Company





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## About

Thanks to its hundreds of satisfied customers, many of whom have been working with the company for decades, Wiman Corporation has grown significantly since its founding in 1962, as a division of mail order pioneer Fingerhut.

One of the Fingerhut brothers' first business endeavors was manufacturing and selling plastic seat covers for automobiles, and they named the resulting film company they founded **Wiman**, a combination of the first few letters of each of their given names, **William** and **Manny**. They built the Wiman headquarters and manufacturing facility in St. Cloud, Minnesota.

Over the years, Wiman expanded its portfolio of specialty plastic films and moved into additional markets. Long a "family" business, Wiman was purchased by a 40 year Wiman employee and two close associates in 2000. They moved Wiman to a new, modern, site in nearby Sauk Rapids, Minnesota. After several years of continuing success, the company was acquired by world class specialty compounder RTP Company, itself a privately-held, entrepreneur-run



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business with an outstanding reputation in the plastics industry.

As part of RTP Company, Wiman has further expanded its product portfolio and capabilities, offering extensive plastic engineering expertise, including the ability to add valuable properties such as [color](#), [electrostatic dissipative](#), [conductive](#), [anti-microbial](#), [flame retardant](#) and [UV resistance](#), individually or in combination, to flexible and rigid films and laminates. In 2009 Wiman added to its original, state-of-the-art ISO 9001 certified manufacturing facility in Sauk Rapids a second manufacturing site in Dupon, Illinois, just outside of St. Louis. The second site provides our customers with a broad array of new capabilities, as well as additional capacity and back-up security.

Today, Wiman Corporation is a premier film manufacturer with the experience and expertise to help customers develop innovative custom solutions for any plastic film application. [Contact us](#) today to discuss how we can help you succeed.



# Film Laminates

## Pinhole-free laminates, produced inline with no adhesives to meet your most demanding specifications

Unlike the majority of laminate producers who combine a pre-manufactured film with a fabric or second film by means of an adhesive, Wiman uses extrusion lamination, which combines two (or more) components in an inline process. For example, a textile material can be fed onto hot, freshly produced film as it exits the extruder. The components are bonded together mechanically, smoothly and evenly, without the need for adhesives.

The advantages of inline lamination are numerous:

- Inline lamination eliminates the need to unroll and reprocess a base film, a procedure which puts significant tension on it. Conventional off-line lamination may pull, tear, and distort cold film in the lamination process which often results in pinholes. Wiman laminated film is pinhole-free and is ideal for air and fluid bladders.



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- Eliminating adhesive means a smoother, even material with no “glue bulges” that can cause a “boardy” hand, no underglued spots that can delaminate, and no concerns over the purity or biocompatibility of an often “unknown” adhesive. Eliminating adhesive reduces a key source of product variation in laminated films.
- Single site film production and lamination means a shorter, streamlined supply chain with reduced transportation costs, and **single source accountability**.

Wiman can customize extrusion laminated films and fabrics in many permutations, even creating a “sandwich” of film/fabric/film, or fabric/film/fabric. We are expert at combining our films with textiles including:

- Non-woven (Polyester, PP, rayon, blends)
- Unbroken Loop for hook and loop fastener (Nylon, Polyester)
- Brushed Polyester
- Woven Scrim
- Poly/Cotton Woven
- And more

Many of these laminate films can be incorporate a host of [engineered properties](#).

If your application could benefit from custom-produced, expertly engineered film laminates, [contact Wiman today](#). Our team of technical sales experts are experienced in film development and stand ready to discuss a superior solution for you.