



**Experts in
High
Performance**

Industrial

**Film &
Sheeting.**

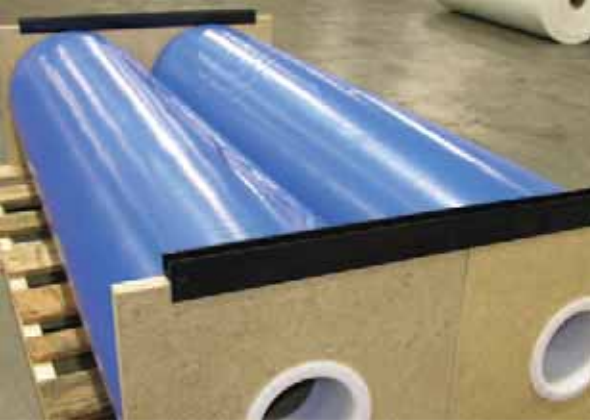
RAVEN

INDUSTRIES

Engineered Films Division

1-800-635-3456

www.rufco.com



No other industrial film manufacturer offers the broad range of sizes and available capabilities.

Raven Industries Engineered Films Division is a leading manufacturer of high quality flexible film and sheeting, as well as full-scale lamination and converting capabilities used in many diverse industrial applications throughout the U.S. and abroad. Our products are manufactured using a wide range of prime raw materials and additives, including polyethylene (PE), low density polyethylene (LDPE), lineal low density polypropylene (LLDPE), high density polyethylene (HDPE), medium density polyethylene (MDPE), polypropylene (PP) EVA, EVOH, nylon and metallocene. We also provide corona treatment and printing to meet product private labeling needs.

All materials are custom manufactured in-house to your exact specifications under the strict guidelines of our ISO 9001:2000 certified management system. Our product development team is capable of designing mono-layer up to 7-layer film and sheeting from ultra thin 0.25 mil up to 40 mil thick, as well as large seamless gusseted widths to 40' wide. This provides our customers with the ultimate in flexibility with film and sheeting design options. Simply let us know your criteria such as barrier properties, heat sealability, tear resistance, impact strength, chemical resistance or any other critical properties and we will recommend a product to meet your expectations. If we do not have a standard product for your needs, and depending on minimum run requirements, our product development team will work closely with you to tailor a product specifically for your requirements.

TYPICAL INDUSTRIAL APPLICATIONS

- Converter films
- Packaging films
- Carpet pad facings
- Conductive films
- Gas barriers
- Moisture retarders
- Containment tubes
- Fumigation films



Engineered Films Division



We continue to expand our range of diversified capabilities to offer our customers even more.

BLOWN FILM & SHEETING CAPABILITIES

- Mono-layer up to 7-layer blown films
- Single-wound sheeting up to 126" wide
- Small consumer rolls up to mill rolls 50" in diameter
- Multi-layer film from 0.25 mil up to 40 mil thick
- Seamless gusseted widths up to 40' wide
- Capable of processing a wide range of resins
- Corona treating and printing

Boost physical properties by introducing scrim reinforcements to multiple layer extrusion lamination.

LAMINATION CAPABILITES

- Up to 81" wide x 50" diameter master rolls
- 3 mil to 45 mil fiber reinforced film and sheeting
- Film to fabric configurations
- Wide range of reinforcement options
- Extrusion lamination

Automated high speed heat seaming, printing, slitting and perforation offer our customers the competitive edge.

CONVERTING CAPABILITIES

- 2-color printing up to 120" wide web (100" wide print)
- Corona treating
- Continuous micro perforation
- Extrusion, hot air and hot wedge welding
- High-speed wide width re-rolling

The Raven Advantage

Size is no problem.

Our 300,000 square foot South Dakota facility produces one of the widest ranges of size, material and thickness in the industry today.

Complexity is no problem.

Raven has over 40 years experience in the flexible film manufacturing industry, and can provide a level of expertise in engineering and fabricating to meet even the most complex film requirements. Whether your need is simple or multifaceted, we can engineer a film for your toughest demands.

Full service providers.

We can provide what you need, when you need it, including in-house custom printing. We're even equipped for full product testing in our internal state-of-the-art laboratory.

ISO 9001:2000 certified.

We are committed to a high standard of quality customer service by adhering to the stringent guidelines of our ISO 9001:2000 certified management system to offer you the most comprehensive service possible.



About Raven Industries, Inc.

We are a division of RAVEN INDUSTRIES, Inc., a manufacturer founded in Sioux Falls, SD in 1956 to produce high-altitude research balloons for N.A.S.A. From that single product line we evolved into a successful, diversified manufacturer publicly traded on Nasdaq (RAVN). Today's product lines are incorporated into three divisions including Applied Technology and Electronic Systems divisions and one wholly-owned subsidiary, Aerostar.

We're Going Green!

To make sure we're being as environmentally friendly as possible, Raven Engineered Films is transitioning from print-based literature to digital literature. This means that our latest product data will be available online 24/7 at www.rufco.com. We want to minimize waste and use our resources effectively. Please log on today to get our most up-to-date product literature. Thank you!



For more information or to request a quote, go to www.rufco.com or call 800-635-3456.

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