



Grayling™ Bulk Packaging

- DRY LINERS
- LIQUID LINERS
- DRUM LINERS
- BULK STORAGE
CONTAINERS





What matters most to your brand, your company and your future?

The response could be improving efficiencies, increasing profits or reducing labor costs.

You might also say enhancing workplace safety, ensuring product protection or leveraging industry-leading innovations.

Now you can achieve every one of those goals, because ILC Dover's Grayling™ bulk packaging is designed around what matters most.

EFFICIENCY

Our mission is to help you ensure the most efficient filling, transfer and dispensing of liquid and dry products. Our liners and containers prove that point.

INNOVATION

We never stop thinking beyond boundaries because your needs are always evolving. For our latest innovation, check out the Xtrakt® System on page 5.

CUSTOM SOLUTIONS

ILC Dover can work with you to solve your individual challenges, including:

- Unusually shaped containers
- Special valves or attachments
- Unique film structures
- Or any other special needs

INDUSTRIES



FOOD

Whether it's liquid liners for sauces and syrups or bulk solutions for dry ingredients, ILC Dover is trusted by food ingredient producers, contract packagers and food processors industry-wide to deliver food products safely.



PERSONAL CARE

Our bulk liquid liners for lotions, creams and gels and Xtrakt® liquid extraction system help cosmetic ingredient producers, contract packagers and personal care manufacturers significantly reduce waste, drive efficiency and boost profits.

Our production facility is FSSC22000, Kosher and IMS certified.

AND APPLICATIONS



BEVERAGE

From liquid liners to bulk storage solutions, we're a go-to resource for beverage processors and ingredient companies. Our industry experts will help you keep products protected and profits flowing.



DAIRY

Whether it's bulk liners for liquid eggs or solutions for dry whey powder, we offer dairy producers the most efficient and effective bulk packaging. Our production facility is IMS dairy certified.



CHEMICAL

From foil liners for resins to liquid liners for adhesives and chemicals to intermediate bulk containers, ILC Dover meets the precise demands of specialty chemical manufacturers.



INDUSTRIAL

Whether it's work-in-process solutions or bulk shipping for crucial components, we understand the challenges industrial manufacturers face. We'll help optimize your processing and increase profitability.

DRY LINER SOLUTIONS

FILL AND DISPENSE MORE QUICKLY AND COMPLETELY WITH LESS LABOR

Engineered to be better

- Fills and dispenses faster
- Has no folds or pleats to trap material
- Eliminates production problems due to liner material dispensing from FIBCs
- Lowers freight and warehousing costs by using space better
- Reduces or eliminates container cleaning costs
- Uses less material for lower waste disposal costs
- Improves the appearance of your product in a square and uniform package
- Enhances safety in a stable, stackable package

Designed for your demands

- Film structures for your specific application performance needs; moisture or oxygen barrier, UV inhibition, toughness and durability, antistatic properties (L2)
- We can produce bag-on-roll liners up to 48" on our fully automated equipment that provides customers with ease of use



FORM-FIT LINERS

Applications: For dry bulk materials in FIBCs and IBCs. Custom designed to fit the dimensions of the container providing maximum filling and dispensing efficiency.



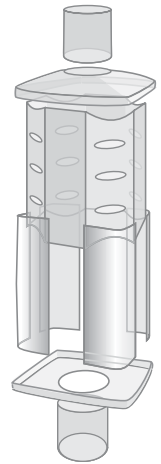
FOIL LINERS

Applications: For hygroscopic dry bulk materials in FIBCs, IBCs and corrugated boxes. Constructed from aluminum foil laminations, form-fit foil liners offer an impermeable barrier providing the highest level of ideal protection from oxygen, moisture and UV.



BAFFLE LINERS

Applications: Provides better cubing and package performance by making FIBCs or Gaylord boxes more square and stable. They're form fitted to the outer container with internal baffles that prevent the outward push of the dry flowable materials and wasted space on the pallet, in a truck or in an ISO container.



LIQUID LINER SOLUTIONS

PROTECT YOUR PRODUCT WITH A SANITARY ENVIRONMENT DURING SHIPPING AND STORAGE

Engineered to be better

- Protects from contamination and leakage during processing, storage and transportation
- Provides a sanitary environment for your product
- Eliminates the need for costly and time-consuming container cleaning
- IBC is immediately available for reuse once the used liner has been removed

Designed for your demands

- Available pre-cassetted to improve the filling performance of the liner within the IBC or paper IBC
- We offer our liners with a broad portfolio of fill and dispense fittings to optimize your bulk processing



FORM-FIT LINERS

Applications: For liquid bulk materials in IBCs, corrugated boxes, bins and totes. They're designed to closely match the interior dimensions of the IBC without creating any folds, creases or gussets to trap material during filling or dispensing.



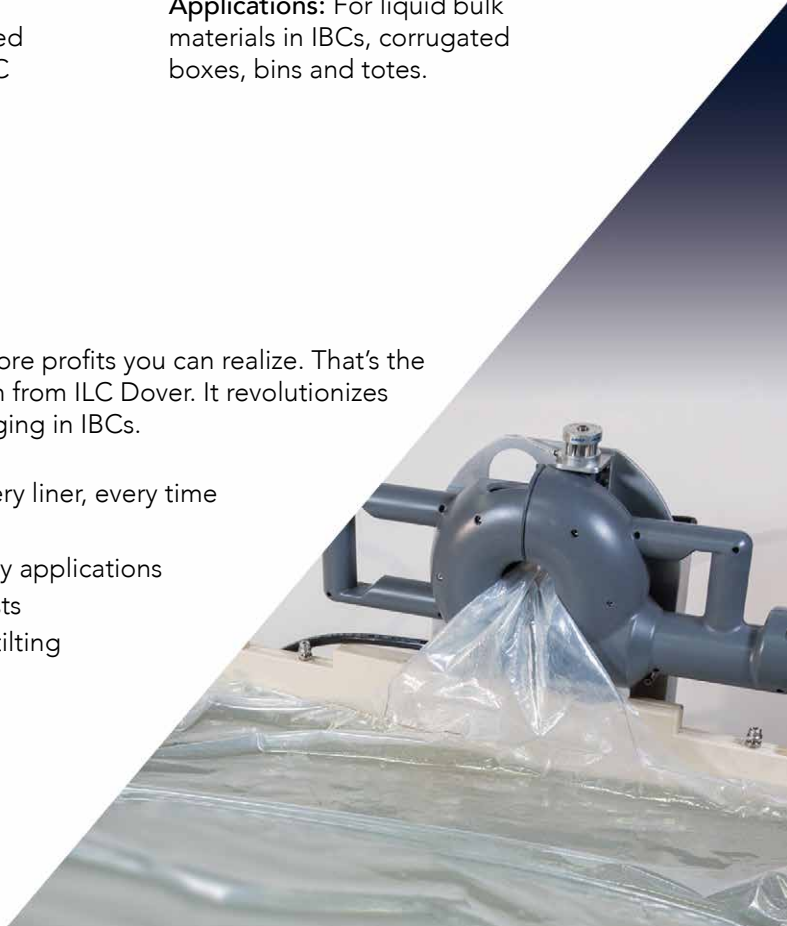
PILLOW STYLE LINERS

Applications: For liquid bulk materials in IBCs, corrugated boxes, bins and totes.

XTRAKT® SYSTEM

The more residual product you can extract, the more profits you can realize. That's the thinking behind the award-winning Xtrakt® System from ILC Dover. It revolutionizes the dispensing of viscous liquids from bulk packaging in IBCs.

- Leaves less than 2 kg of residual product in every liner, every time
- Reduces residual product waste by up to 30%
- Systems for either low-viscosity or high-viscosity applications
- No operator intervention lowers your labor costs
- Greatly reduces risk with no lifting, twisting or tilting the IBC to dispense
- Works with your existing pumps



DRUM LINERS

EFFICIENT AND ECONOMICAL SOLUTION TO CLEANING OR DISPOSING OF DRUMS

Engineered to be better

- An economical solution to the challenges and expense of cleaning and/or disposing of used drums
- Protects from contamination and leakage during processing, storage and transportation
- Polyethylene film structures provide durability, consistency and performance
- Ready to meet your needs with a large inventory of standard size drum liners in stock

Designed for your demands

- Portfolio of standard size drum liners for steel, plastic and fiber drums
- We also custom manufacture drum liners for your unique application
- Available in lay-flat, rigid round bottom, round bottom or pillow styles
- Special application solutions include:
 - Antistatic (L2)
 - High chemical resistance
 - Oxygen, moisture and UV barriers



BULK STORAGE CONTAINERS

INTELLIGENT ALTERNATIVES THAT REQUIRE MUCH LESS SPACE THAN DRUMS

Engineered to be better

- Clear advantage over traditional single trip, disposable alternatives
- Use less space than drums and other bulk containers
- Provide an economical and environmentally responsible alternative

Designed for your demands

- In addition to manufacturing IBC liners, ILC Dover offers intermediate bulk containers to fit your storage and transportation needs



Paper IBC

Dependable, economical and environmentally responsible alternative to drums, bottle-in-cage and other "heavy footprint" intermediate bulk containers. They require 80% less space for storage and shipping than other non-collapsible IBCs.



Rigid IBC

Injection and structural foam molded containers are compact, collapsible and designed to handle both fluid and dry products. They provide maximum product protection, hygiene and efficiency.



FIBC

Large woven polypropylene bags designed for storing and transporting dry flowable bulk products. Bulk bags are strong, offering application-specific design and compacting to a fraction of their filled size when not in use.

ACCESSORIES

We offer a portfolio of bulk packaging accessories to maximize your productivity when filling and dispensing from IBCs.

- Fill bridges
- Ball, banjo and butterfly valves
- Membrane cutters and piercing tools
- Gland adapters
- NPT, BSP, camlock and buttress adapters
- Heating pads



BEYOND BOUNDARIES™

Innovators at our core, we develop engineered solutions for our customers' complex problems. Recognized globally for our flexible containment solutions, ILC Dover serves customers in a diverse range of industries, including pharmaceutical and biopharmaceutical manufacturing, personal care, food and beverage, chemical, aerospace, healthcare and government agencies. At ILC Dover, quality is a culture, not a measurement. Our customers will tell you that we cater to their every need and that we're highly innovative, responsive, dedicated and competitive. We have been innovating since 1947. ILC Dover's visionary solutions improve efficiency, safeguard workers and product, and prevent disasters — proof that we are on the front line of business excellence.

Engineering evolution beyond boundaries.



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