

CDF's

Bag-in-Box



Table of Contents

03	Who We Are	12	Available Films
04	Liner	13	Filling Equipment
06	Markets	14	Bag-in-Box Product Benefits
08	Fitments	15	CDF Certifications
10	Accessories		



Who We Are

- We are a global company with more than 50 years of history of innovation and excellence
- Founded in 1973, HQ in Plymouth USA and family owned
- Specialize in the manufacture and sale of high-quality liners and other types of flexible packaging solutions
- We design, engineer, manufacture, Innovate, and we are a global partner company
- An industry leader, we hold the #1 market share position in Drum & Pail, and IBC Form-Fit liner market
- Production facilities in the USA and Europe
- We are open to new ideas, flexible to customer needs, and anticipate rather than react to market trends



**Global
Capabilities**

Liner



Liner Range

We design and manufacture a wide range of Cheertainer form-fit and pillow style bags. Our liners are available in a wide range of sizes, with various films and fitment options. Putting our design and manufacturing expertise into practice, we work closely with customers creating custom solutions.



Cheertainer®

Cheertainer® bag-in-box is a flexible package designed to fit the internal shape of the box. Cheertainer form-fit bag-in-box liners maximize product evacuation while minimizing dead space, allowing more product per pallet. Cheertainer dispenses without surging or glugging, and it is suitable for use with manual, semi-automatic, and fully automatic fill lines. Available in 4L (1 gallon) to 25L (6.6 gallons).

Cheertainer bag-in-box design is an ideal alternative to semi-rigid containers. Our bag-in-box solution is manufactured with 50% less plastic, costs less, and reduces labor costs by eliminating the pre-inflation step required by semi-rigid containers.



Pillow Bag-in-box

Pillow design is a flexible packaging ideal for a variety of markets. Our liners range in size from 1L to 25L and offer various film options and dispensing fitments.



UN Certified 20L Cheertainer

Always looking through the lens of innovation, we have created a 20L boxbag-in-box package to pass level two & three UN Certification. UN certified bag-in-box flexible liquid packaging provides options for various industries when transporting goods requiring certification that meets United Nations (UN) standards. Items to be transported can range from food, beverage, cosmetic, and chemical, as outlined in the UN certification standards as dangerous goods.

Markets



Food & Beverage

Keep your product safe from filling through end-use. Trust CDF's innovative bag-in-box liners to safely deliver and dispense base materials and ingredients, whether between facilities or dispensing in-house. Our bag-in-box liners are ideal for liquids requiring aseptic handling or viscous products that require maximum dispensing. CDF's bag-in-box liners are ideal for concentrated fruit, edible oils, flavorings, liquid egg, dairy, molasses, pastes, sweeteners, syrups, vinegar, and condiments.



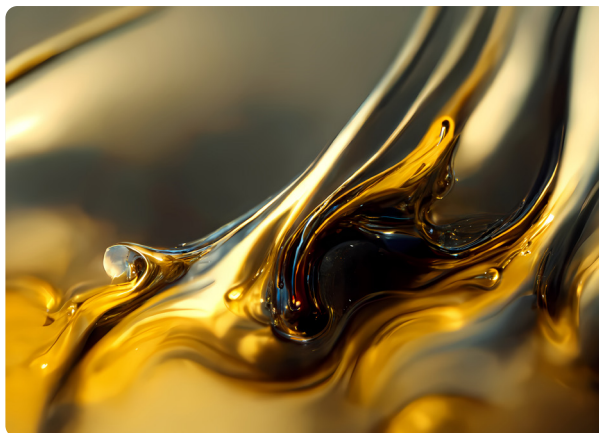
Cosmetics

Flexible bag-in-box liners are ideal for safely transporting beauty and personal care ingredients in packaging that offers cost savings throughout the supply chain by improving evacuation and lessening product waste. Perfect for conditioner, cream, foundation, lotion, and shampoos.



Chemicals

Ideal for non-hazardous chemicals and chemicals requiring a UN Certification group II or III. Ideal for adhesives, detergents, mechanical oils, paint, polymer emulsion, printing ink, soap, and agrochemicals.



Lubricants & Greases

Bag-in-box packaging is ideal for the lubricant and grease industry. We designed our bag-in-box solution to be used by dealerships, quick change stations, and repair shops looking for a lightweight, transport-optimized, and low-waste packaging alternative.

Fitments

Our Bag-in-Box fitments and accessories are designed to create compatible connections between the bag and filling equipment for secure product transfer.

We offer a variety of fitments and film choices to ensure the integrity of your product and improve efficiencies. All our fitments and accessories are compatible with our bag-in-box solutions so you can get everything you need in one place.

CDF will always consider custom designs.



IC-1023

1" Aseptic (KM)



IC-1007

1" Aseptic (Elpo)



IC-1008

1" Quick Disconnect (QB)



IC-7112

1" Aseptic (BKU)



IC-7002

Adapter with Pull Tab



IC-7065

1" Aseptic (BV)



IC-7073

Tru-Seal PMV2c Valve
with Gland



IC-7018

UDC Snap-in with Foil



IC-7005
Horizontal Twist Tap



IC-7026
Tru-Seal Tap MK5



IC-7040
V-Top Tap



IC-7054
1401 HR Cap



IC-7067
Tru-Seal Maxiflow HR Tap



IC-7094
Green Vertical Twist Tap
with Foil



IC-7102
603 Adapter with EPDM O-Ring

Accessories

Our Bag-in-Box fitments and accessories are designed to create compatible connections between the bag and filling equipment for secure product transfer.



IC-7030

MK5 Screw-On Tap



IC-7062

Tru-Seal PMV2C Connector
with Viton O-Ring



IC-7064

Back Bar Adapter



IC-7069

Tru-Seal Maxiflow Tap



IC-7085

Tru-Seal Tap Ext Hose
Connector



IC-7096

Tru-Seal Maxiflow Hose
Connector



IC-7100

Twist Tap Handle



IC-7107

UDC Thread-On; Silicone
O-Ring



IC-7108

UDC Coupler, Straight 1/2";
Silicone O-Ring



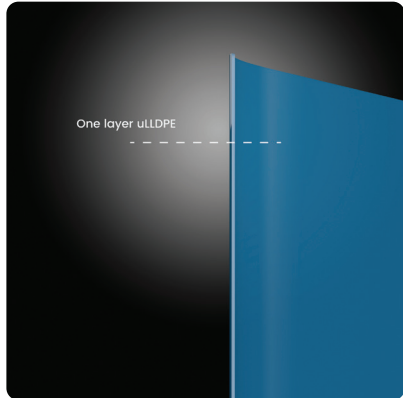
IC-7109

UDC Coupler, Elbow 1/2";
Silicone O-Ring



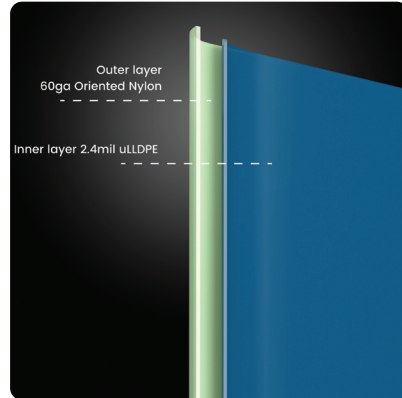
Available Films

CDF Corporation offers a range of films to deliver a packaging solution for various applications. Designed for durability, our film structures provide outstanding protection and preserve the quality of your product.



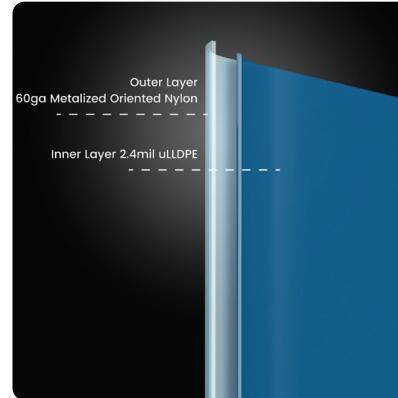
Polyethylene

Polyethylene film offers a dual advantage of exceptional strength and flexibility while acting as an effective flavor scalping barrier, safeguarding the contents from any undesirable flavor transfer and preserving the product's taste and quality.



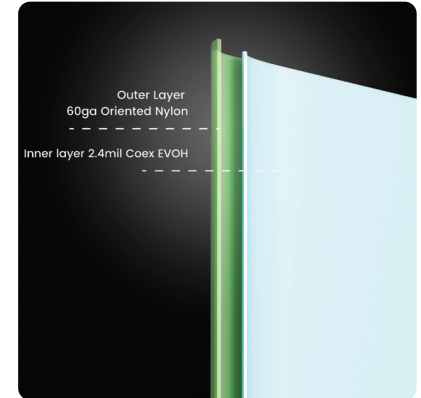
Standard Barrier (BON)

Standard barrier film provides a versatile choice for various products. It offers adequate resistance to moisture, oxygen, and other external factors, gives the liner strength and durability.



Metalized Barrier (METBON)

Metalized barrier packaging material offers exceptional protection against moisture, oxygen and light, extending the shelf life of perishable goods and preserving their freshness and quality for longer periods.



High Barrier (EVOH)

High barrier EVOH superior oxygen barrier properties, effectively blocking the permeation of oxygen and other gases.

Filling Equipment

We take the fear and guesswork out by providing pilot equipment for product validation and customer trials. We work closely with Flexifill to provide the proper equipment.



Semi-Automatic

The semi-automatic filler is a bag-in-box filler capable of filling a wide range of shelf stable or extended life products up to 25L. The filler has full CIP (Clean in Place) and SIP (Sterilize in Place) capabilities.



Fully-Automatic

The fully-automatic filler is a compact web-fed fully auto filling machine capable of filling a wide range of shelf stable or extended life products up to 25L. The filling head has been designed to give optimum fill quality without any spillage. The filling machine has full CIP (Clean in Place) and SIP (Sterilize in Place) modes and can be stream sterilized.

Bag-in-Box Product Benefits

- Significant cost savings in logistics and storage costs
- Reduces costly price fluctuations by using at least 80% less plastic than rigid containers
- Major reduction in handling costs
- Dispenses without surging or glugging
- Fills without air, resulting in no foaming or splashing
- Eliminates internal cleaning costs associated with alternative rigid packaging
- 10:1 logistical transportation advantage, reducing fuel consumption and CO2/greenhouse gas emissions

80%

less plastic than
rigid containers
reduces cost

89%

fewer CO2 emissions
during production
than competitive rigid
packaging

50%

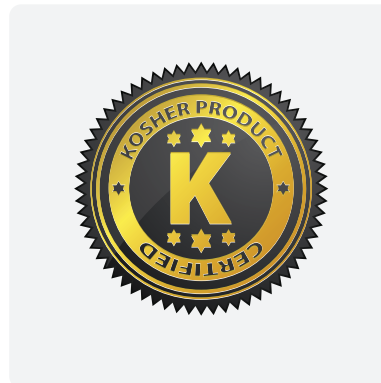
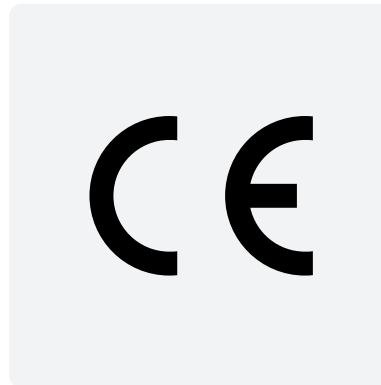
fewer CO2 emissions
during transport than
competitive rigid
packaging



CDF Certifications

- FDA approved
- SQF Level 2
- BRC Equivalent
- European Declaration of Conformity – DoC – Migration Results*
- ISO 9001 : 2015
- GMP – Good Manufacture Practice
- IMS Certified
- Kosher certified
- Pharmacopoeia*

* Europe only





cdfi.com

CDF Corporation

77 Industrial Park Road Plymouth, MA 02360