

**ACG**  
FILMS & FOILS

**EVERYTHING  
YOU NEED  
FOR RELIABLE  
PHARMA  
PACKAGING  
SOLUTIONS**





## ACG FILMS & FOILS

In the world of packaging, ACG is indisputably a recognized player offering its services to several industries across the world. ACG takes pride in being an award-winning manufacturer of a range of high-quality barrier packaging films for the pharmaceutical, medical-device, healthcare, and food packaging sectors. We understand the critical role of packaging in pharma industry and consistently strive to provide reliable and innovative solutions to our customers building a symbiotic relationship of needs and offerings. ACG's diverse portfolio of packaging solutions includes pharmaceutical-grade & camera-inspected range of aluminium-based foils, specialty packaging films, high-barrier, anticounterfeiting and polymer films. ACG offers pharmaceutical grade barrier packaging films that are manufactured right from PVC resin stage to calendering and slitting stage, which not only guarantees consistent quality but also ensures traceability of every batch supplied. Our world-class manufacturing facilities cater to the pharmaceutical and allied industries across the world.



## **Numerous certifications and advanced equipment give us an edge over our competitors**

- Distinguished with almost every certification needed for global pharma packaging markets
- US FDA, European Pharmacopoeia and CFDA regulation compliant
- Complies with cGMP norms along with coating, lamination, printing and slitting facilities under Class 100,000
- Equipped with high-speed multilayer laminator for aluminium foils and polymer-based packaging films

We firmly believe that innovation is the way to progress and ACG's Innovation lab stands testimony to this belief. The lab is led by highly accomplished and expert professionals from the packaging industry to keep pace with market dynamics to fulfil customer's needs. Through collaboration with our customers, the innovation lab offers intuitive solutions adding value to their products. The innovation lab has successfully launched specialty films like Alukbliss™ and Brandshield, which have garnered several global accolades for innovation.allied industries across the world.

# ACG IN NUMBERS



**5**  
Decades  
of Industry  
Experience



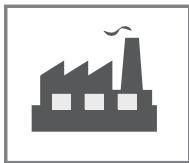
**100+**  
Countries  
with Satisfied  
Customers



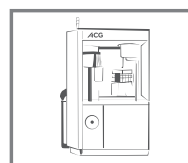
**11**  
Global  
Offices



**900+**  
Global Track  
& Trace Line  
Implementations



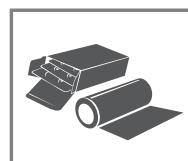
**15**  
Global  
Manufacturing  
Facilities



**20,000+**  
Machines  
Installed



**100+**  
Billion Capsules  
Production  
Capacity



**38,000+**  
Tons Packaging  
Films and Foils  
Produced Annually

## OUR GLOBAL PRESENCE





# ALUMINIUM BASED PACKAGING FOILS



## **Cold Form Blister Foils**

### **Alumpack**

Alumpack is a premium grade cold form base foil made from validated raw material sources that are compliant to the global regulatory standards. The foil serves as an ultra-high barrier packaging solution assuring product protection and increased shelf life.

#### **ACG Advantages**

- Excellent barrier against moisture, oxygen, light and gases
- Exceptional formability and sealability with common lidding materials
- High delamination resistance with use of primer
- Customized colors and printing options



## **Aluminium Lidding Foils**

### **Alumlid**

Alumlid is a premium-grade lidding foil material for thermo-form and cold-form blister packs. The foil is made from validated raw material sources that are compliant to the global regulatory standards and exhibits exceptional sealability to common blister materials made of PVC, PVdC, PE and PP. The foil serves as an ultra-high barrier packaging solution, assuring utmost product protection and an enhanced shelf life.

### **ACG Advantages**

- Internationally accepted structures and gauges
- Exceptional barrier against moisture, oxygen, light and gases
- Excellent sealability
- Multiple opening options including peel, peel-push, push-through and tear-open



## **Lidding Foils for Child-resistant and Senior-friendly Blisters**

### **CR/SF Foils**

ACG's child-resistant/senior-friendly lidding foils provide highest safety by preventing children from easy opening of the blister and high-level convenience and user friendliness for adults. The applications include peelable, peel-push and push-through options that prove the highest level of functionality. All the foils provide high degree of protection against moisture, oxygen and light.

### **ACG Advantages**

- Wide range of structures as per international standards
- Unique child-resistant lidding mechanism
- Exceptional lidding mechanism with apt functionality for senior citizens
- High degree of protection of individual dose



## **Aluminium Based Laminates for Tropical Blister Applications**

### **Tropical Foils**

ACG's tropical blister foils provide enhanced protection to the thermoformed blisters that not only adds to the aesthetics of the packaging but also provides an impermeable barrier to sensitive products against moisture, oxygen and light. Tropical foils can ideally be used to pack all kinds of medicines for an extended shelf life.

### **ACG Advantages**

- High barrier against moisture, oxygen, light and gases
- Compact size blisters in comparison with cold form blisters
- Superior aesthetics



# HIGH-BARRIER PACKAGING FILMS





## High-barrier Laminated Films

### ACG Aclar® Laminates

In partnership with Honeywell, ACG presents Aclar® laminates available in combinations such as PVC/EVOH/ACG Aclar® and PVC/ACG Aclar®/PVC. ACG Aclar® laminates lower packaging cost with improved flexibility of operations, thus enhancing profitability. It provides excellent barrier property against moisture to produce clear blisters with lay-flat properties that ensure cartoning efficiencies. These laminates are available in various colors, appearances and forms that give a strong identity to the brand.

Aclar® is a registered trademark of our partner, Honeywell International, Inc.

### ACG Advantages

- The best moisture barrier amongst clear thermoformable films
- Chemical-resistant and biochemically inert
- High flexibility in design and customized barrier packaging



## **Ultra-high-barrier PVdC Films**

### **Ultrasafe**

Ultrasafe is the newest offering in its high barrier, pharmaceutical grade, thermoformable films portfolio. Ultrasafe features superior process ability of PVC in tandem with ultra-high barrier properties of PVdC. Available in different variants, customers get the advantage of choosing the right packaging for preserving their products while maintaining high yield.

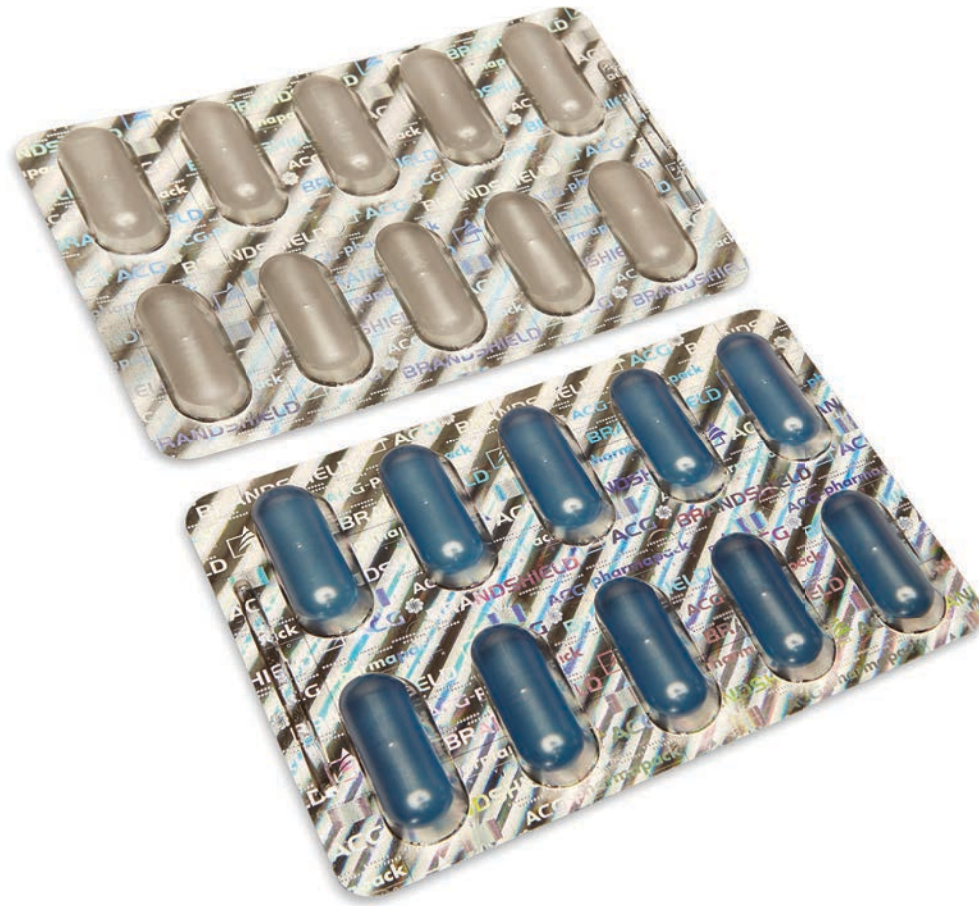
### **ACG Advantages**

- High-barrier properties of PVdC
- Suitable for pharmaceutical, nutraceutical and food packaging requirements
- Available in three different variants - Ultrasafe Duplex, Ultrasafe Triplex and Ultrasafe Core



# ANTICOUNTERFEITING AND BRANDING FILM





## **Anticounterfeit and Brand Building Packaging Film**

### **Brandshield**

Brandshield is a film with strong anticounterfeiting property. The overt customer-specific security elements are embedded in the film and cannot be copied. These unique attributes ensure safety of the products while providing an eye-catching visual appeal. By incorporating suitable two layer or three layer structures, the film offers superior barrier properties. Brandshield packaging film complies with the latest international guidelines.

### **ACG Advantages**

- Differential-grated embedded image film
- Enhance product brand image with anticounterfeit mechanism
- Available in 'clear', 'colored' and 'metallic' varieties with customized thickness



# SPECIALITY PACKAGING FILMS





## **Aluminium Look-alike Thermoform Packaging Films**

### **Alukbliss™**

Alukbliss™ is a thermoformable PVC-based packaging film that mimics the look of aluminum films and the yield and machinability of PVC. Alukbliss™ is an ideal packaging solution where the high barrier properties of CFB are not needed but the appealing looks of the product are important. It bestows a unique look and strong brand identity to the product. It complies with the regulatory standards and comes in variety of colors, including gold, copper, orange, blue, green and customized colors as required.

### **ACG Advantages**

- Dent-free blisters
- Metallic and vibrant colors for high product aesthetics
- Mimics the eye-catching looks of CFB
- Customizable barrier properties with PVdC and ultra high-barrier coating



## Laminated Films for Suppositories

### Suppose™

Suppose™ is a special film for suppository packaging. The film can withstand high temperature filling and is peelable, sealable and printable. By adding PVdC layers, this laminate offers increased barrier to moisture and oxygen. It runs smoothly on all types of suppository packaging machines across the world.

### ACG Advantages

- PVC/PE and PVC/PVdC/PE laminates for effective barrier properties
- Available in translucent, white and opaque colors
- Sealing tightness and user-friendly opening mechanism
- Printed foils for suppositories, enhancing branding and product differentiation



## Unit Dose Packaging Films

### Unidose™

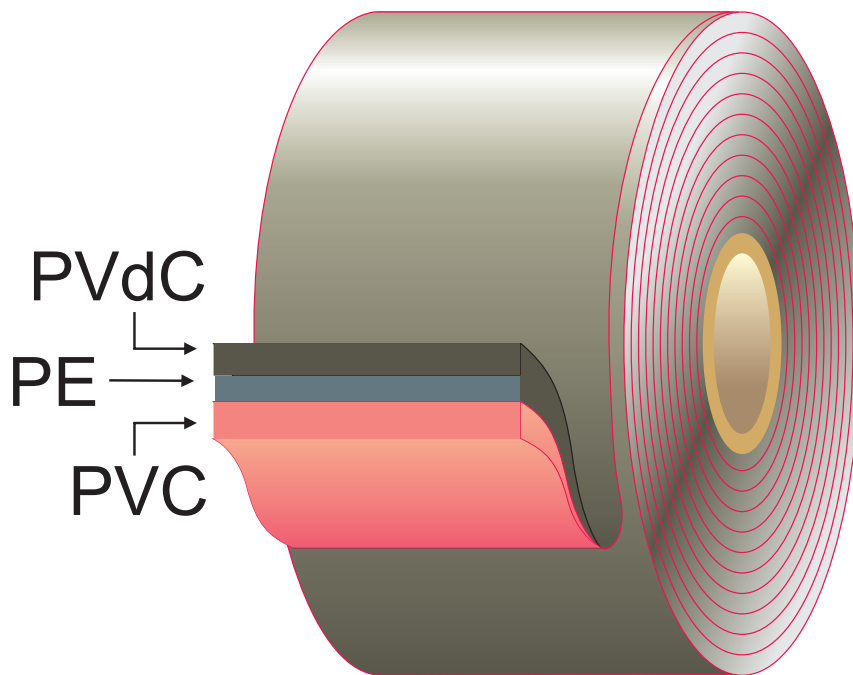
Unidose™ packaging film caters to the growing needs of the ‘use & throw packaging’ or ‘single time use packaging’ solutions where barrier properties, easy thermoformability, twist open features and printability are essential. It is designed for ultimate consumer experience and can be used in a variety of applications to pack liquid & semi-liquid pharmaceuticals, nutraceuticals, agrochemicals, beverages, condiments, and health & beauty care products. The film offers a distinctively rich look to the products and ensures strong brand recall.

### ACG Advantages

- An ideal packaging solution for commercial products, trial packs, test marketing and product samples
- High barrier against moisture and oxygen
- Ideal for all types of unit dose packaging machines
- Available in a variety of customizable structures
- Available in variety of surface and reverse printing options

# MULTILAYER FILMS





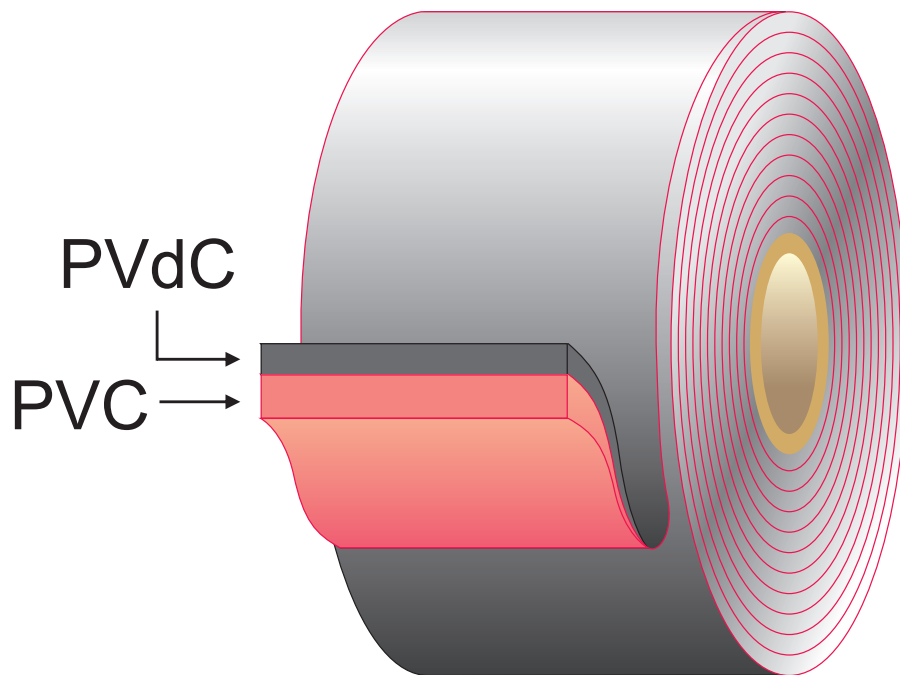
## **Barrier Films for Deep, Large Cavity Blister Packs**

### **Tripac®**

Tripac® has unique thermoforming properties, appropriate for deep and large cavity blister packs. It protects the product against water vapor, oxygen, gases, aromas and flavors. Therefore, it is especially suitable for hygroscopic formulations. These blister packing films are ideal for packing formulations that are distributed globally, especially into the tropical zones. Tripac® is available in a wide range of clear, transparent and opaque colors.

### **ACG Advantages**

- Excellent barrier properties
- Enhanced strength and formability
- Cost effective
- Available in a range of colors with color-matching facility



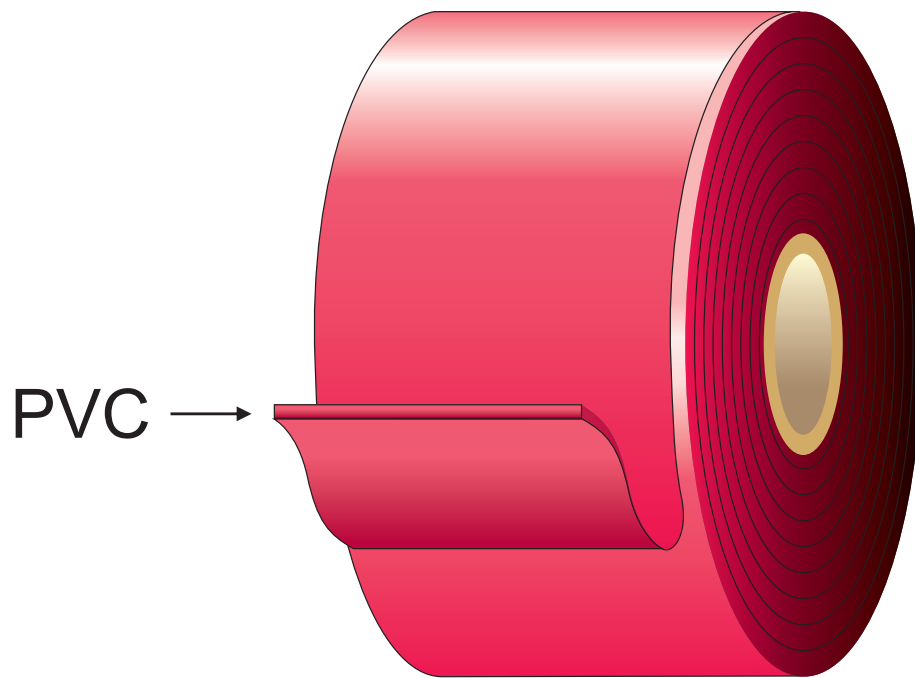
## **PVC/PVdC Films**

**Dupac®**

Dupac® is a PVC film coated with high-performance PVdC. With the help of advanced coating technology, it produces two-layer PVC/PVdC structure that imparts high barrier properties to the film. The barrier properties of the Dupac® packaging film depends on the thickness of PVdC coating.

### **ACG Advantages**

- Varied PVC thickness and PVdC coating available
- Color-matching facility
- Suitable for medium to high-speed blister packing machines
- Moderate to high barrier properties against moisture and oxygen



## **PVC Films**

### **Ecopac<sup>®</sup>**

Ecopac<sup>®</sup> is a cost-effective blister packing solution for tablets, capsules, syringes, ampoules, veterinary medicines, medical devices etc. This blister film provides customized barrier properties for maximum product protection.

### **ACG Advantages**

- Plasticizer-free PVC film
- Excellent barrier against moisture and gases, enhancing shelf life
- Suitable for stable formulations
- Available in a range of colors with color-matching facility

# VALUE ADDED SERVICES



**Assistance in Pack  
Characterization**

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**Regulatory  
Support**

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**Technical  
Services**

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**Customization  
of Packaging  
Films & Foils**

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