

# ADSURE PACKAGING LIMITED

Auto Pre-open Bag

Since 1985

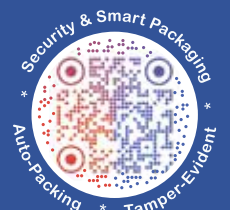


## Custom Design and Print Service

From the initial design concept to creating prototype samples, we provide a wide range of artistic services and customized printing solutions.

## Quality Assurance

We have an advanced quality control system that enables us to track and monitor product quality before, during, and after production.



[www.AdsurePackaging.com](http://www.AdsurePackaging.com)



## Adsurre® Packaging Limited

Adsurre® Packaging is a leading company in China that specializes in designing and manufacturing functional flexible bags.

We offer a range of Auto Packaging solutions for various applications, providing customers with high-efficiency operations and cost savings.

We continuously innovate and expand our production capacity to meet the diverse packaging requirements of different countries and applications through our brand Adsurre®.

Our professional packaging expertise is not only our own, but also shared with our customers.

ADSURE® = **AD**vanced Technology to en**SURE** security packaging

= The Quality and Trusted partner for Security Packaging

## Contents

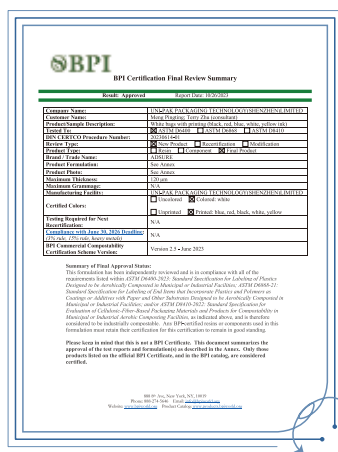
Introduction .....	2
Aptitude Honor .....	3
Patent Certificate .....	4
Application Fields .....	5
APOP® Standard Auto Pre-opened Bags .....	6
VCI Pre-Opened Bags .....	7
Anti-Static (ESD) Pre-Opened Bags .....	7
Kraft Paper Pre-Opened Bags .....	8
100% Compostable Pre-Opened Bags .....	9
Recycled Pre-Opened Bags .....	10
Biodegradable Pre-Opened Bags .....	10
What's the difference? .....	11
Side Pouch Pre-Opened Bag .....	12
Pre-Opened Bag with Handle .....	13
Custom Bag Styles .....	14
Custom Features .....	15
Custom Printing .....	16
Custom Materials .....	17
Quality System .....	18
Perforation Strength Test Method .....	19

## Our Goal:

**100%** Customer Satisfaction



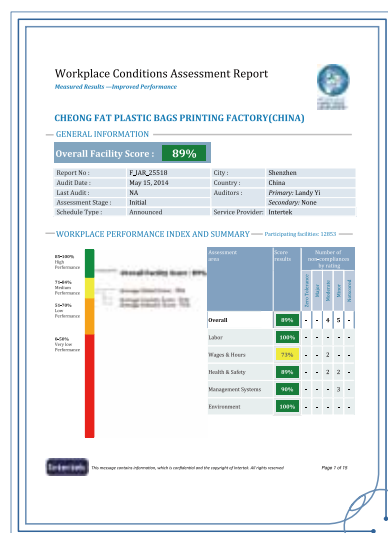
## APTITUDE HONOR

BPI

TÜV

DINFSC

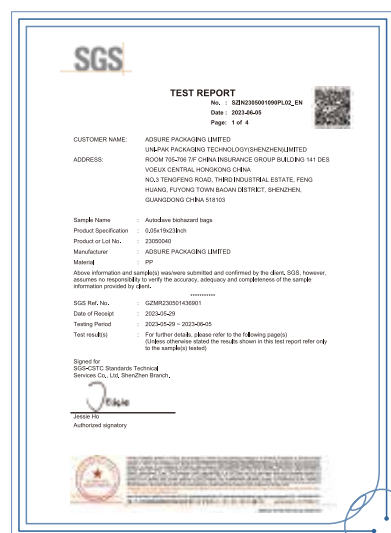
## Clean Workshop



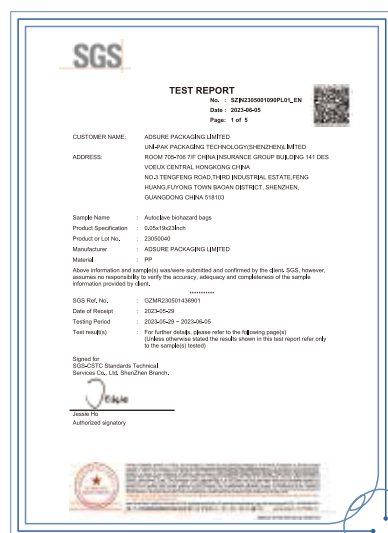
WCA



GRS



SGS



SGS



# ISO9001



## PATENT CERTIFICATE



Anti-counterfeiting Rolling  
Safety Zip-Lock bag  
ZL 2022 2 1897032.2



Coin Deposit Bags  
ZL 2017 2 0294594.0



RFID Security Bags  
ZL 2017 2 1614225.1



Antitheft Dyeing to Escort Safety Bag  
ZL 2017 2 0727854.9



Banknote coin escort security bag  
ZL 2016 2 0175123.3



Police Forensic Evidence Bags  
ZL 2016 2 0317008.5



ICAO STEB's / Duty-Free Bags  
ZL 2016 2 0206512.8



Food Delivery Tamper Evident Bag  
ZL 2019 2 0275568.2



Medicine Security Bags  
ZL 2015 2 0652910.8



Medical and Health  
Detection Filter-screen bag  
ZL 2016 2 0321199.2



Reusable Poly Mailers  
With Die Cut Handle  
ZL 2016 2 0089582.X



Poly Mailers for Second Use  
ZL 2016 2 0175269.8



Courier Bag  
ZL 2015 2 0655378.5





**Hardware & Fasteners**



**Electronics**



## Application Fields



**Coins & Financial Products**



**Personal Product and Cosmetic**



**Pharmaceutical Fulfillment**



**Apparel & Accessory Packaging**



**Food**



**Healthcare**



**Crafts**



**Household products**



**Toys**



**Mail Order Fulfillment**



**Pet Products**



**Agriculture & Testing**

## APOP® Markets Served

Adsure provides innovative bagging machinery, including pre-opened bags on a roll and pre-opened bags in a box.

We offer professional services and packaging solutions to our customers. Our goal is to help streamline packaging operations, improving efficiency, saving labor and time, and maximizing the rate of output.

## APOP® Standard Auto Pre-opened Bags



Clear

Clear &amp; White

White

Colored

### Standard Features

1. Pre-Opened for feeding
2. Connect by Perforation line on Roll
3. Apply for thermal printing directly
4. Easy to open by horizontal / vertical perforation line

### Popular Size

W" x L"	Thickness	Bags/Roll	Roll/Case
3" x 5"	2 mil	3000	12
4" x 6"	2 mil	2500	8
5" x 7"	2 mil	2000	8
6" x 8"	2 mil	1750	8
8" x 10"	2 mil	1500	4
9" x 12.5"	2 mil	1250	4

### Technical Information

Performance Data:	U/M	1.54/SD	2.0/ET	2.8/ST	ASTM
Puncture Resistance (Dart)	grams	220	315	380	D-1709
Tensile Strength MD	psi	4600	4335	4290	D-882A
Tensile Strength TD	psi	3695	3660	3530	D-882A
Elongation MD	%	530	540	618	D-882A
Elongation TD	%	640	650	670	D-882A
Elmendorf Tear MD	grams	378	575	980	D-1922
Elmendorf Tear TD	grams	940	1158	1400	D-1922

\* SD=Standard Duty ST=Super Tuff ET=Extra Tuff

## VCI PRE-OPENED BAGS

### Feature

- VCI without alter bagged product characteristics.
- Intergrated at low temperature with vapor corrosion inhibitors.
- Keep product clean and dry.
- Very low moisture vapor transmission rate.

### Applications

- Automotive
- Spare parts
- Hardware
- Screws and Fasteners
- Bearings
- Others ferrous metals



## ANTI-STATIC (ESD) PRE-OPENED BAGS

### Feature

- Meets EOS/ESD standard.
- Dissipates static to protect sensitive products & Enhances overall performance.

### Applications:

- Electrical components
- Instruments
- Meters
- Any objects that require electrostatic shielding.

### Type:

- Add special additives
- Laminate shielding structure







## Kraft Paper Pre-Opened Bags

### Ready-to-Fill Design

- Factory-pre-opened for instant loading - eliminates manual bag opening, reducing labor time by up to 30%.
- Ideal for high-speed lines or manual packing stations.



### Sustainable & Responsible

- 100% renewable materials – FSC®-certified.
- Plastic-free – Meets global ESG and single-use plastic bans.

### Premium Strength & Protection

- 80-100gsm high-tensile Kraft paper for optimal durability
- Burst-resistant seams withstand rigorous filling and handling
- Customizable basis weight to match specific load requirements



Weatherproof



Water-based Inks



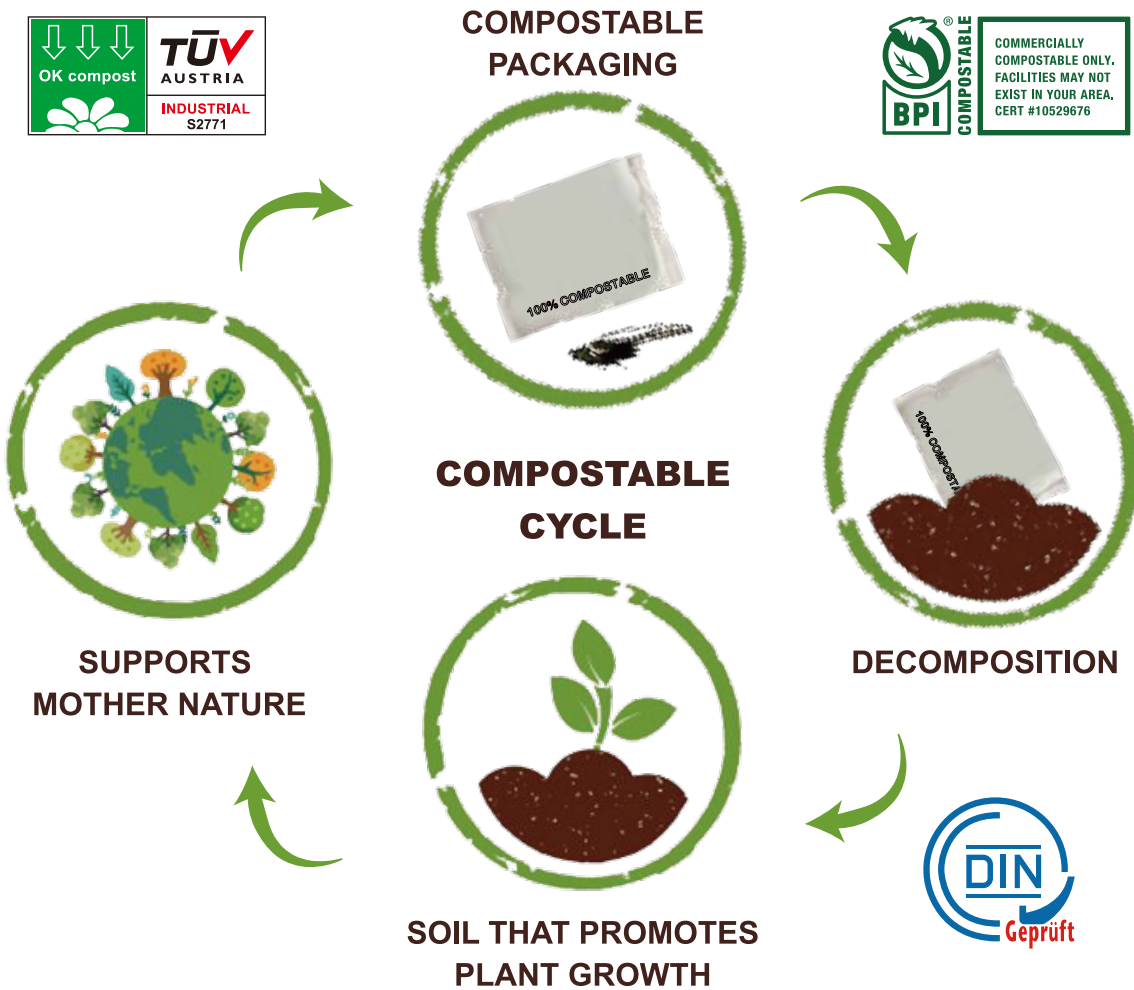
Durable





## 100% Compostable Pre-Opened Bags

Made from cornstarch and PBAT, a bio-based polymer.



week 1

week 2

week 3

week 4

week 5

week 6

week 7



### Applications



Food



Apparel &  
Accessories



Medical



Crafts



Automotive



Electronics



Hardware &  
Fasteners



Other



## Recycled Pre-Opened Bags



### Feature

- GRS 4.0 Certified Film
- 100% recycled LDPE film is made from Post Consumer Recycled (PCR) Material.
- Ideal for high-volume packaging operations
- Ideal for automated packaging/auto-bagging equipment can undergo thermal transfer print.



Recycled



Weatherproof



Water-based Inks



Durable

## Biodegradable Pre-Opened Bags

### Feature

- Biodegradable Material for sustainable packaging.
- Can be customized with a Vent Hole and Vertical Easy Perforation Line.
- Suitable for Automatic Packaging Machines, Sharp Packaging Systems.







TESTING STANDARDS		
Type	D2W	EPI
British Standard BS8472	✓	✓
American ASTM D6954	✓	✓
United Arab Emirates Standard 5009:2009	✓	✓
French Accord T51-808	✓	
ASTMDS208		✓



Variations and processes of full biocomposting and degradation



## What's the difference?

	Paper Material	100% Compostable	Biodegradable	Bio-based	Recycled	PE
Material	 Kraft Paper	 PBAT+PLA +Cornstarch	 EPI & D2W	 Sugarcane Green PE	 PCR/PIR	 PE
Captures CO <sub>2</sub>	100%	90%	0%	12% ~60%	0%	0%
ECO Friendly	100%	100%	70%	60%	100%	0%
Recycling rate	100%	0%	100% Prior to degradation	100%	100%	100%
Time of degradation	<b>Few months to 1 year</b>	Takes <b>1 year</b> against production Date	May take <b>1~3 years</b>	Varies years	Varies years	Varies years
Landfills Residue	<b>100%</b> Compostable without Residue	<b>100%</b> Compostable (5%-10%) Residue	Enable degradation some residue	NA	NA	NA
Certification	FSC	BPI, TUV, DIN CERTCO	ASTM D6954 / S208 BS 8472 FA T51-808 UAES 5009:2009	ASTM D6866	GRS 4.0	/

## Side Pouch Pre-Opened Bag



Fanfolded



Grip seal



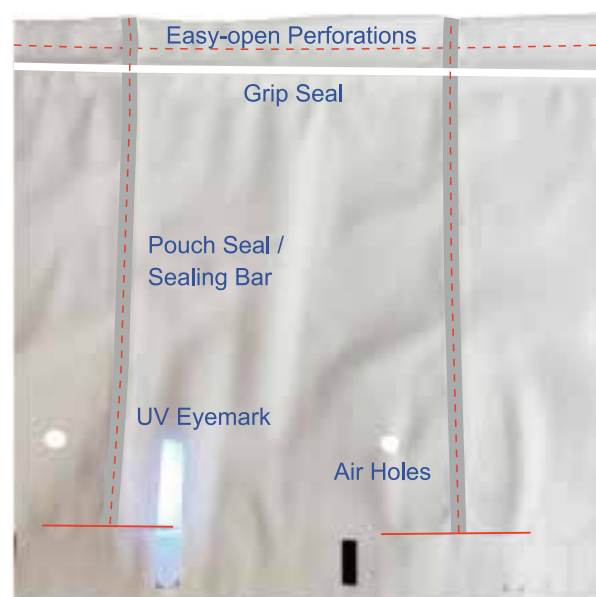
Compostable



UV

### Application

- Ziplock / Resealable Bags / Reinforced Headers / Easy-open Perforations.
- Fan-folded in a box.
- Used for variety applications from food to e-commerce high-productivity solutions.
- Pre-opening design to help customers easily and efficiently products.
- Super customized capabilities meet different designs for special auto machines.



## Pre-opened Bag with Handle



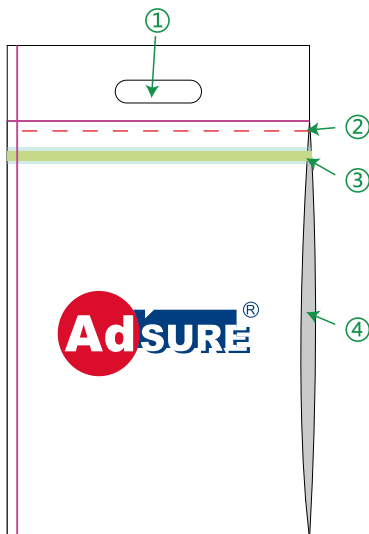
### Applications

- E-commerce & Online Store
- Apparel & Accessory Packaging

### Custom Options

- Size
- Material
- Printing
- Handle
- Vent Hole
- Perforations

## Feature

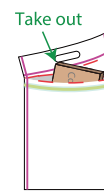


### 1. Handle



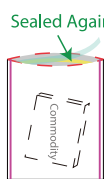
Convenient for carrying and transportation.

### 2. Perforation line



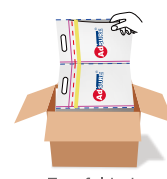
Easy open without scissors for ender user.

### 3. Glue

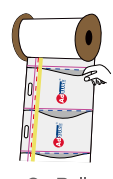


Additional glue reuse the bag with an eco-friendly design.

### 4. Packaging



Fan-folded



On Rolls





Custom Bag Styles



Clear PE



Clear + White Side



Anti-static grid (ESD)



Anti Static (ESD)



Laminated (ESD)



Anti Rust (VCI)



Compostable



Twin Component



Triplet Component



Handle



Resealable



Poly Mailer on Rolls



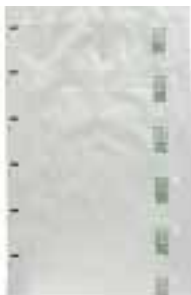
PE + Tyvek



Kraft Paper



Fanfolded



Side loading Bag  
+ Compostable



Side loading Bag  
+ Hot melt



Side loading Bag + UV



Ziplock Side loading Bag



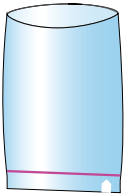
Laminated

## Custom Features

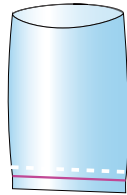
### Custom Size

Bag Thick	0.025-0.2mm
Bag Width	2" - 36"
Bag Length	2" - 72"

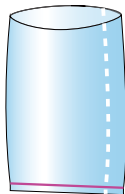
### Perforations & Notches



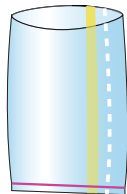
Tear Notch



Horizontal Perforation



Vertical Perforation



Self-Adhesive tape with perforation line

### Vent Hole



Round Vent



No Through-holes



Flutter Vent



Crescent-shaped

### Handle & Hang Holes



Handle



half-moon



Arched



Perforated Handle Line

Euro slot  
(Butterfly Hanger)

Allotype

#### The Plug

Metal &amp; Plastic.



#### Paper Plate

Customize Printing / Thickness / Material.



#### Core

Plain / Printed logo; Paper / Plastic material.



#### Pre-open Perforation Line

Adapt different pre-open perforation line to meet with machine's tearing tension.

#### Ziplock Closure

Reusable for Ender User.

#### Self-Adhesive tape with perforation line

Open the package easily by the perforation line. Can reuse and Eco-Friendly.

#### Tear Notch

Easy to tear notch on anywhere.

#### Vent Hole

Trapped air / Reduce Size.

#### Hang Holes

Easy to hang on Perfectly show the product on display hook.

#### Bi-ex Bags (Duplex Bag)

Front Clear Back White film / better for Printing with visible view.

#### High-Integrity Seals

5mm / 10mm pouch welding; leak proof; Withstand heavy content.

## Custom printing

- Flexo / Gravure printer up to 10 colors.
- Custom printing solution.
- Own designer/advanced device/excellent technology.
- Ability to match the colors of the Pantone Matching System or customer samples.



## Gravure & Flexo Plate Difference



### Gravure Printing

- Line size: 0.12 mm / 0.25 point.
- CMYK/Picture/Complex Printing.
- Full floods up to 100%.
- Delicacy / Solid / Rich texture.
- Grave the images and words on metal rolls.
- Rather costly.
- Speed: 100-120m / minutes.

VS

### Flexo Printing

- Line size: 0.2mm / 1.5 point.
- Rougher and simple content.
- 5mm blank on each edge; Max 95% coverage.
- Roughness / simply words / unsolid.
- Emboss Contents on resin plates.
- Economy.
- Speed: 30-40m / minutes.

## Hot Stamping Process



Tyvek Material  
Gold Foil Hot Stamping



Tyvek Material  
Black Hot Stamping



Pink PE Material  
Silver Foil Hot Stamping



Bright Black PE Material  
Gold Foil Hot Stamping



Material	Features	Application
<b>Clear Polypropylene</b>	<ol style="list-style-type: none"> <li>1. Super transparency</li> <li>2. Recyclable</li> </ol>	<ul style="list-style-type: none"> <li>• Automotive Parts</li> <li>• Small household appliances</li> <li>• Other Retail Applications</li> <li>• Toys</li> </ul>
<b>Clear Polyethylene</b>	<ol style="list-style-type: none"> <li>1. High transparency</li> <li>2. Used in general purpose / Recyclable</li> </ol>	<ul style="list-style-type: none"> <li>• Automotive Parts</li> <li>• Food Craft Items</li> <li>• Electronic Components</li> <li>• Other Retail Applications</li> <li>• Hardware</li> <li>• Medical Devices</li> </ul>
<b>Front Clear Back Colored PE</b>	<ol style="list-style-type: none"> <li>1. Easy to see content</li> <li>2. Easy to print and read information</li> <li>3. Recyclable</li> </ol>	<ul style="list-style-type: none"> <li>• Automotive Parts</li> <li>• Mail Order Fulfillment</li> <li>• Retail Packaging</li> <li>• Frozen Foods</li> <li>• Hardware</li> <li>• Crafts</li> <li>• Medical</li> <li>• Fasteners</li> </ul>
<b>Coextruded (Coex) Polyethylene</b>	<ol style="list-style-type: none"> <li>1. 100% opaque, 100% privacy</li> <li>2. Printed on bag directly</li> <li>3. Recyclable</li> </ol>	<ul style="list-style-type: none"> <li>• Bulk Parcels</li> <li>• Photographic Film</li> <li>• Pharmacy Fulfillment</li> <li>• Mail Order</li> <li>• Medical</li> </ul>
<b>Nylon</b>	<ol style="list-style-type: none"> <li>1. High prevention</li> <li>2. Extra extension</li> <li>3. Excellent oxygen barrier / CO2 performance</li> </ol>	<ul style="list-style-type: none"> <li>• Food</li> <li>• Automotive Products</li> <li>• Electronics</li> </ul>
<b>Biodegradable</b>	<b>EPI &amp; D2W:</b> Low-cost and biodegradable additive.	Comply with Eco-friendly policy.
<b>Bio-based</b>	<b>Green PE (Braskem):</b> made by the ethanol from sugarcane which is renewable.	
<b>Compostable</b>	<b>100% Compostable:</b> PBAT + PLA + Cornstarch.	
<b>Recycled</b>	<ol style="list-style-type: none"> <li>1. GRS 4.0 Certificatc.</li> <li>2. Track trace with TC letter.</li> </ol>	
<b>Tyvek</b>	Breathable material	<ul style="list-style-type: none"> <li>• Medical</li> <li>• Mailing</li> <li>• Security</li> </ul>
<b>Anti-static</b>	Anti-static, prevent quality problems caused by short circuit of electronic products.	<ul style="list-style-type: none"> <li>• Electrical</li> <li>• Components</li> <li>• Electronic</li> <li>• Kits</li> </ul>
<b>VCI</b>	Add Anti-rust additives.	<p>Ideal for Bag Packaging of Ferrous Metals:</p> <ul style="list-style-type: none"> <li>• Automotive</li> <li>• Medical Devices</li> <li>• Aerospace</li> <li>• Jewelry</li> </ul>
<b>UV</b>	Prevent the products from the influences of UV.	<ul style="list-style-type: none"> <li>• Pharmacy Fulfillment</li> <li>• Unit Dose Packaging</li> <li>• Security</li> <li>• Mail Order</li> <li>• Medical</li> </ul>

Ensuring APOP® Bag Quality

We ensure your satisfaction by delivering the highest quality bags through continuous process improvements. Our commitment to innovation is driven by a dedicated R&D team, resulting in over 12 patents for new products and manufacturing techniques.

Opening Rate	Proactive blade replacement, in-line inspection, and full traceability for a consistent opening rate.
Production Traceability	Full roll traceability with minimal splices (≤2/roll). Dual operator and QC sampling from every roll.
Easy-Open Performance	Optimized film composition and coefficient of friction for easy opening across all applications.
Seamless Connections	Proprietary splicing tape for seamless connections, ensuring uninterrupted machine operation.
Custom Perforation	Customized perforation patterns tailored to your required tear strength.
Bag Tolerance	Strict adherence to ISO 9001:2015 and MIL-STD-105E sampling for precise bag tolerances.

Fan-folded  
in a box



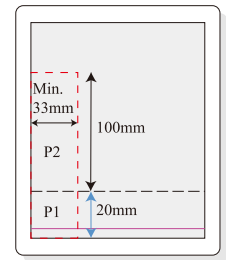
On rolls

Automatic Packaging Machine

## Perforation Strength Test Method

1. As per Figure 1, cut 3-5 test samples from the perforated area.
2. Label each sample as “front” and “back”.
3. Secure one side of the sample (P1) to a flat surface. Attach the other side (P2) to a force gauge (as shown in Figure 2).
4. Zero the force gauge and ensure it is level with the sample (Figure 3).
5. Apply a steady pulling force until the perforation separates and record the peak force value.
6. Test results are compared to specifications, and the process is adjusted to meet the required tear strength.
7. Record the peak force value (in grams or Newtons) displayed at the moment of separation.
8. Repeat steps 3-7 for all prepared samples to ensure an accurate average reading.

The test results from Adsure’s samples are compared against the customer's required parameters or samples. If there are any discrepancies, our engineering team will adjust the production process accordingly to achieve the precise perforation strength you require.



**Figure 1:**  
Preparing the Test Sample



**Figure 2:**  
Top-View Diagram of Test Setup



**Figure 3:**  
Correct Horizontal Alignment of  
Sample and Force Gauge



**Figure 4:**  
Sample Tested to Complete  
Separation



## Security Packaging Manufacturer

### Security Packaging Solution for Multiple Applications

#### Our Team



#### Our Laboratory



#### Our Meeting Rooms



#### Our Workshop



#### Our Warehouse

