

# **SUPREME PACK**

# DAMAN

**PRODUCTS DETAILS** 

OF

**STRECH FILM ROLLS** 

**GARBAGE BAGS** 

LD/PE SHRINK FILM ROLLS

**PE BAGS** 

**PE LINER BAGS** 

# SRETCH FILM

Stretch wrap or stretch film, sometimes known as pallet wrap, is **a highly stretchable plastic film that is wrapped around items**. The elastic recovery keeps the items tightly bound. In contrast, shrink wrap is applied loosely around an item and shrinks tightly with heat.

Stretch films are made from **linear low-density polyethylene resins**. Since its early introduction in the early 70's, stretch film has become the most important method of unitizing product loads for transport.

STRETCH FILM is usually made of linear low-density polyethylene LLDPE film and PTB glue with different percentages depending on the customer's needs with Cast Extrusion system technology. **Uniformity in thickness, high transparency and high stretch percentage show good resistance against tearing and perforation** 

# **Types Of Stretch Film**

- Hand Stretch
- Machine Stretch
- Mini stretch film (babay roll)
- Pe cling film (food grade)
- Color Stretch
- UVI Stretch
- VCI Stretch
- No Cling Stretch

# Features

In pallet forming, stretch films have significance that can't be ignored. Here are some of the unique properties of stretch films that you should consider for the efficient packaging of tour products.

- High resistance to harmful UV rays
- Super efficient in handling heavy loads without zero damage
- Enhanced stability of packaged products
- prolonged shelf life for certain foods
- optimum protection against moisture, dust, excessive temperature, and other environmental factors
- Good resistance power against package pilferage and tamper

## Advantages

## Here are some of the advantages of stretch film:

## **Decreased Damage to Products**

With the proper usage of stretch films, you can wrap your intended good securely and help it remain safe while being shifted. For moving your load conveniently with the assistance of the forklift, the role of stretch films is unavoidable.

#### **Efficient Management of Inventory**

Most times, the inventory system gets interrupted due to the disorderly state of the products. Thus, the systematic wrapping of products makes inventory management effortless. The utilization of stretch film wrapping helps minimize the chances of product separation, thus making the stock control a time-saving and well-ordered process.

#### **Enhanced Handling of Loads**

If industries use stretch films along with angle boards, it allows stockpiling a higher load on the layers. It results in maximizing the space of the warehouse for efficient storage of products. Wrapping the products in stretch films will help you quickly move the loads and support enhanced productivity. It doesn't seem easy to put together the irregular-shaped goods on a flat surface. Here's come the significance of stretch film rolls. These films ensure the convenient stacking of every shaped freightage.

#### **Protection from Environmental Hazards**

It is one of the fundamental advantages of using stretch films. With the wrapping, you can protect your products from environmental hazards like dust, dirt, moisture, extreme temperature, chemicals, etc. The clean stretch film makes your product visible from the outside and keeps it clean. Using UVI stretch films, your products also have maximum protection against harmful UV rays.

#### **Reduced theft and Increased Recyclability**

The most significant benefit of using **Stretch Film** is its recyclability and environmentfriendliness. If you manage to use the stretch films in a clean state, you can easily reuse them. Stretch films are best suited for assembling the loads and wrapping completely. Hence, it makes pilferage difficult since, before stealing, one has to uncover the wrap. Covering an opaque stretch roll, you can also conceal the inside product completely. On the other hand, the application of clear stretch wrap helps in easy reading of the product through the scanning system.

#### Applications

#### Applications

If you consider stretch films deeply, you will understand that they are commonly used in our everyday applications. From wrapping to transporting most of our daily commodities, we entirely depend on stretch films. Here is a list of some typical products enveloped in **Stretch Film** rolls for easy storage and transportation to the end destination.

#### Buckets

The heavier acquired stretch wraps are commonly used in packaging buckets loaded with liquids, paint, and dry stuff.

#### Clay

Heavy products like clay are often wrapped with heavily weighed stretch wraps.

#### **Palletized Boxes**

Stretch films are most commonly used to bind boxes of various weights and sizes easily.

#### Electronics

Various electronics products are lightweight. To reduce these electronics' storage and transportation costs, anti-static stretch films serve the best.

#### Wood

In recent times, most firewood businesses get shifted towards using the vented **Stretch Wrap** to combine the complete pallet loads. Once the wood is wrapped with stretch films, no moisture is present in the wood that can make it useless.

#### Rocks

The heavy-duty stretch films are often used for tying up rocks.

#### **Canned Beverages**

The most common usage of stretch wraps is wrapping the soda or beer-type beverages using high-performed machines.

## Furniture

During relocation, movers commonly wrap the furniture with **Stretch Film** to ensure zerodamage storage and transit.

#### **Medical goods**

The affordable pre-stretch films are best used for encasing lightweight medical commodities.

## Carpet

Machine or hand bundling stretch films are often used for protecting the carpet rolls from unwinding.

## Live plants

With increased awareness towards creating a green world, more people opt for planting trees in and around their residences. To safely transport those plants from the nursery to homes, there's no better option than using vented stretch films.

#### **Picture frames**

For safeguarding the photo frames during transportation, it's most worthwhile to use cardboard corner protectors and bundling stretch films.

#### Coffee

Retail and bulk coffee are wrapped and transported in stretch films to keep them fresh and intact.

#### Paper

Another heavily utilized product is wrapped in a heavy gauged **Stretch Film** for maximum protection from environmental factors.

Like these products mentioned above, thousands of everyday goods are commonly wrapped in different stretch wraps.

#### Specification

#### Specifications

The industry-experienced **Stretch Film Manufacturer** offers the following specifications with their supplied stretch film wraps.

- long-lasting standards
- Resistance against moisture and heat
- Protection against puncture
- used for wrapping both industrial and retail products
- Excellent clarity thus helps in easy identifying of inside product from outside
- Superior resistance power against wear and tear
- An economical method of assembling products
- Tensile strength helps in holding a maximum capacity.

Available in multiple ranges, these stretch films are manufactured by trained professionals according to the customers' unique requirements. Comes in varied finishes and sizes, these wrapping films ensure the prolonged life of the shipped products.

# SIZE CHART

size		micron	Boll in Boy
inches	mm	micron	
3	75	23 micron - manual grade	As per standard
		29 micron - machine grade	As per standard
4	100	23 micron - manual grade	36
		29 micron - machine grade	36
6	150	23 micron - manual grade	24
		29 micron - machine grade	24
8	200	23 micron - manual grade	As per standard
		29 micron - machine grade	As per standard
10	250	23 micron - manual grade	As per standard
		29 micron - machine grade	As per standard
12	300	23 micron - manual grade	12
		29 micron - machine grade	12
18	450	23 micron - manual grade	6
		29 micron - machine grade	6
20	500	23 micron - manual grade	6
		29 micron - machine grade	6
24	600	23 micron - manual grade	6
		29 micron - machine grade	6
	Note: Size,	Micron & Packing are depend on customer requirement.	

# Garbage bag

**Garbage bag**, also referred to as **plastic dustbin bags**, trash bags, or bin liners, are indispensable items used in both households and commercial spaces to efficiently collect and dispose of waste. These bags are primarily crafted from plastic materials, such as low-density polyethylene (LDPE) or high-density polyethylene (HDPE), and they come in a variety of sizes and thicknesses to cater to diverse waste disposal needs. Known for their leak-proof design and user-friendly features like drawstring or tie-tape closures, garbage bags offer a convenient and effective solution for waste management.

#### • In Homes: Enhancing Cleanliness and Hygiene

Within residential environments, garbage bags play a pivotal role in maintaining cleanliness and hygiene. They serve as reliable tools for gathering and eliminating household waste, encompassing items like food scraps, paper, and packaging materials. To cater to the different waste streams within a home, these bags are available in various sizes. For instance, smaller bags are ideal for collecting kitchen-related food waste, while larger ones find their place in bathrooms for sanitary waste disposal.

In Businesses: Upholding Cleanliness and Order

In commercial settings, garbage bags stand as essential aids for upholding cleanliness and hygiene in public spaces. Their versatility allows them to effectively collect a wide array of waste materials, ranging from food waste to paper, packaging materials, and even hazardous substances. Tailored for handling heavy loads, commercial garbage bags are larger in size and are aptly suited for establishments like restaurants, hotels, and other businesses.

## • In Industries: Managing Heavy and Hazardous Waste

Industries heavily rely on garbage bags to manage the disposal of substantial and sometimes hazardous waste. These bags are designed to contain materials like metal, plastic, and hazardous substances, and they are engineered in larger dimensions to accommodate the sizable waste output in industrial settings. Constructed from durable materials, industrial-grade garbage bags can withstand hefty loads, rendering them suitable for factories, construction sites, and various industrial environments.

## **Properties and Characteristics of Garbage Bags:**

- **Strength**: Dustbins or Garbage bags are available in different thicknesses, known as microns, to accommodate different types of waste. They are available in thicknesses such as 20, 30, 40, and so on.
- **Material**: Garbage bags are typically made of plastic, such as high-density polyethylene (HDPE) or low-density polyethylene (LDPE). These materials are robust, durable, and can withstand the weight of the waste inside.
- **Biodegradable and Compostable:** Some garbage bags are biodegradable or compostable, which means they will break down over time in the environment. This is advantageous for the environment due to reducing the amount of plastic garbage generated.
- **Sizes**: Garbage bags are available in various sizes to hold trash and are accessible in various sizes (small/medium/large) for household and commercial use.

- **Closure**: Garbage bags are usually sealed with a drawstring or a tie-tape closure. The Dustbin cover makes it easy to seal the bag and keep the waste container.
- **Easy to use:** Garbage bags are easy to use, and they are easy to open, fill and seal, making them a convenient option for waste disposal.
- **Scents**: Some garbage bags are scented to neutralize odors, making them ideal for use in the kitchen, bathroom, and other areas where odors may be prevalent.
- **Capacity**: Garbage bags come in different capacities, and they can be small, medium, or large. The bag's capacity will depend on the type and volume of waste it is intended to hold.
- **Color**: Garbage bags are available in a variety of colors, which can be used to indicate the type of waste they contain. For example, blue bags might be used for recycling, while black bags might be used for general waste.

#### Advantages

#### Plastic Garbage bags have Some Advantages Are Following:

- **Convenience**: Garbage bags are convenient to use as they can be easily tied and disposed of without making a mess. They also make it easy to separate different types of waste, such as recyclable and non-recyclable materials.
- **Hygiene**: Garbage bags can help to keep areas clean and hygienic by containing waste and preventing it from spreading or attracting pests. You can also use Trash Can Liner to make trash cans and such containers more convenient to clean.
- Leak-proof: Garbage bags are designed to be leak-proof so that the contents inside will not spill out. This is important for maintaining sanitation and preventing the spread of germs and bacteria.
- **Cost-effective**: Garbage bags are a cost-effective way to manage waste. They are affordable to buy and have a long lifespan before needing to be changed.
- **Environmentally friendly:** Garbage bags can be made from biodegradable or compostable materials, less harmful to the environment than traditional plastic bags. This helps minimize the amount of waste in landfills and reduces the negative environmental impact.
- **Easy to transport:** Garbage bags are lightweight and easy to transport, making it easy to take them to the curb for collection or a recycling or waste facility.
- **Construction use:** Garbage bags are used in construction sites to dispose of waste generated by the building process, such as debris, wood, and other materials. They can be used to keep the site clean and free of debris. Contractor trash bags are a heavy-duty option for construction sites, landscaping, and other demanding waste disposal needs.

Plastic Garbage Bags Specifications			
Products Details	Classification		
Colour	Black, Blue, Green, Orange, Red, and more		
Size	Small, Medium, and Large		
Material	HDPE & LDPE		
Uses	Residential, Commercial, and Industrial		
Storage Capacity	10-30 ltr, 30-60 ltr, 60-90 ltr & more		
Dimension	19x21,25x30,32x42 etc		
Pattern	Plain & Printed		
Sealing & Handle With and Without Drawstrings, Flat & Gusset			

# LDPE shrink film

**LDPE shrink film** can be familiar bi-axially or uni-directionally, allowing it to be utilized in wide applications. Its low-temperature attributes are a significant advantage in bundling temperature-related specifics. Its low shrink force is favored, while bundling adaptable items such as sponges or handouts keeps them from clasping.

**LDPE shrink film**, be that as it may, has some authentically vital disadvantages. Its principal issue is, incidentally, its fundamental attribute. Since it seals and psychologists in low temperatures, it's genuinely shaky to store. However, if shrink films are stored in unacceptable environments, they will shrink automatically. Moreover, PVC shrink film requires a prepared bundling service to be fixed appropriately. Subsequently, LDPE shrink film is a film with declining, more restricted utilizes and restricted provider vacuity.

LDPE retail shrink film is accessible just as a uni-directionally film, with elemental force in the machine bearing. It doesn't hold excellent optic packages and isn't accessible in very thin gauges.

A universally valuable film, the **Shrink wrap film, Shrink wrap roll** is notable for its mutable nature and can also repulse terrible climatic circumstances. So it's utilized to wrap enormous specifics comparable to boats and transports during personal time. Polyethylene shrink films significantly accompany UVI security to avoid the harmful effects of bright shafts. EVA (Ethyl Vinyl Acetate) is added with polyethylene shrink films to keep them delicate and adaptable in time. This uncompromising therapist film is accessible in eyegetting colours and beautiful prints.

A wide range of **<u>shrink wrap</u>** films come principally in single-break and centrefold. In centrefold shrink wrap films, the items are taken care of in the middle between bunches of the films, and the edges are fixed. Yet, in single-break shrink wrap film, one layer of film is twisted around a centre.

**Shrink films** are accessible in various widths and gauges, considerably in 60, 75, and 100 meters, reaching over ten heights. Mostly, costs rely upon the length, reach, and rates comparable to the shine and clearness. LDPE shrink films are the least expensive of the parcel. Shrink films can benefit from any of the first outlets or online stores with expertise in the equivalent. The real benefit of online stores is that they give a wide cluster of choices.

## Various Types of Wraps

LDPE's adaptable bundles consider vivid walled-in areas to be accomplished utilizing the EDL Packaging outfit. The quadrangle type is subject to both the item and dispersion conditions.

The advantages of <u>LDPE shrink film</u> as a bundling result are huge for windows, sacked food items, specific consideration items, and various others; shrink **wrap film**, **Shrink wrap roll** is a decent bundling decision.

#### Features

#### **Our Superior Quality PE Shrink Films Occupy the Following Key Features:**

- High Shelf Appeal
- Ideal Solution for all types of External Packaging
- It gives product protection from moisture, dust, and dirt.
- Smooth finish
- High Stretchability
- Water resistance
- Highly resistant to punctures and tear propagation
- Outstanding toughness and high holding stability
- Tamper proof
- Anti-fog
- Odor resistance
- Compared to other products such as cartons and packaging (wrapping) paper, shrink wrap reduces the packaging cost by as much as 60 75 % or even more.
- Highly cost-effective when compared to corrugated material.
- Reduces cost of shipment as less material is required

#### Advantages

## What are the Benefits of LDPE Shrink Wraps?

• Security:

When heat is applied to **shrink wrap**, it makes a genuinely close seal, and this plastic seal likewise totally safeguards the wrapped contents. When fixed, the specifics are, as of now, not vulnerable to the harm that can be brought about by dirt, soil, or moistness. A few kinds of wrap to be sure accompanied UV protection to protect your items from the sun's hazardous shafts.

#### • Durability:

**Shrink wrap** is produced using genuinely robust and solid plastic. It's sensitive to tear. In contrast to different accessories, shrink wrap doesn't come fragile or debilitate when it's in the sun or outrageous cold wave. When the wrap has been heated and fixed over your articles, it'll not loosen.

• Altering:

Since **shrink wraps** the two seals and holds its shape previously applied, any altering will be obvious incontinently. Thus, various drug organizations presently shrink wrap their items, as well as food makers. A few kinds of primary wraps utilized by banks and government organizations change tone when the plastic has been extended to show that the fixed specifics have been contacted.

#### • Moderateness:

Contrasting with other bundling accessories, shrink wrap can be a reasonable decision. It additionally is intended to limit space; it keeps whisked specifics near one another without the utilization of new enormous accessories, comparative as boxes. Space saved is money saved, both in a storage facility and transport.

## • Packaging:

An additional mark of LDPE **shrink film** is that it tends to be planned with colors, logos, and ensigns that advance your items. From your item base until it arrives at the end user, your thing isn't simply enclosed by plastic — your logo envelops it. This promoting instrument can increment brand care and make you more noticeable to your visitors.

## • Safeguarding:

Various food sources that should be saved for transport or to broaden the timeframe of realistic usability are held in shrink wrap. Food-grade shrink wrap is a legal decision for food item organizations.

#### • Film Shrink Implicit:

There are various advantages of **LDPE shrink film** for bundling. It has a low softening point and extraordinary progression and consistency, making it especially helpful for belting accessories, including heavier specifics and food items. It has permission from the FDA, so it's utilized in surrounding specific food points of interest.

## Applications

## What are the Applications of LDPE Shrink Wrap?

Applications for LDPE **shrink film** incorporate bundling of CDs and DVDs, boxes for gaming and programming, and other specifics like:

- 1) Food and cultivation assiduity
- 2) Automotive assiduity
- 3) Toys, writing material, special multipacks, rolls, chocolate boxes, junk, and tissue.
- 4) Packaging for knitting of transient food sources, box snacks, set foods, etc.

5) Cartons, books, giant machines, pallets load, and so forth. It's additionally used to cover boats after make and for free time storage facility.

- 6) Electric wiring.
- 7) Speeding of instances of soft drink water and drink barrels.

#### Specification

#### The Specifications of LDPE Shrink Film Wrap:

LDPE **shrink film's** essential advantage is its genuinely minimal expense. By and large, LDPE films have been the littlest valued bundling material that anyone could hope to find. But, since of its restricted optic advantages, it's utilized fundamentally as an industrial shrink film instead of a retail shrink film, where outrageous clarity and gloss are fundamental. Its genuinely delicate modulus blocks its utilization in authentically thin gauges on the fast outfit. It is still promptly accessible to many filmmakers and providers.

Subsequently, **Shrink wrap film**, and **Shrink wrap roll** are utilized just where cost is the main component, and optic bundles and machine-capacity credits are less requested. LDPE shrink films are the most significant segment of the retail demand. They're made by a broadly set number of makers and are retailed by a set number of wholesalers. They're steady and genuinely enduring in force warehousing and are FDA-approved. Also, they're harmless to the ecosystem since they're recyclable.

The **shrink wrap** is utilized in various tasks, from bundling pizzas to belting toys and books to unitizing cleansers and tackling particulars. I feel that LDPE shrink films are the decision for shrink wraps since they're mutable; they can be bundled well at authentically thin gauges and genuinely high quality and are estimated pleasantly and with solidness.

# SIZE CHART

Material :	LDPE		
Thickness :	50 ~ 100 Micron		
Color:	Transparent/Opaque/Any Color		
Size :	Standard Sizes : 2" x 2" 3" x 3" 4" x 4" 4" x 6" 6" x 8" 8" x 10" 10" x 12" 12" x 14" 12" x 14" 12" x 16" 14" x 18" 14" x 20" Min. Width : 2", Max. Width : 75" Min. Height : 2", Max. Height : 175"(Sizes can be customized as per requirements)		
Formation :	2D Bags, Tube, Bags On Roll, Gusset Bags, D-Cut Bags, Pre-Opened Bags On Roll.		
Printing :	Roto Gravure & Flexo Printing : Upto 8 Colors		
Application:	For Tight Packaging of finished Goods.		

# PE bags or PE liners bags,

Polyethylene bags, commonly referred to as **PE bags** or **PE liners bags**, are versatile and widely used in various industries due to their exceptional properties. These bags offer three essential features that make them ideal for storing heavy-weight items: flexibility, tear-resistance, and durability. These qualities are pivotal in ensuring the safe storage of substantial loads, which is why major industrial companies prefer polyethylene storage bags for such purposes.

## **Types of Polyethylene Bags**

Polyethylene bags can be categorized into three main groups based on their composition and properties:

- 1. HDPE Bags (High-Density Polyethylene Bags): These bags are known for their thin yet sturdy structure. They possess a level of flexibility that ranges from hard to semi-flexible. Moreover, HDPE bags exhibit remarkable moisture barrier properties, which contribute to their suitability for various applications. Examples of HDPE bag applications include injection moldings and flat yarns.
- 2. **LDPE Bags (Low-Density Polyethylene Bags):** LDPE bags are characterized by their softness, flexibility, and impressive transparency. These bags find utility in everyday items like ordinary bin bags, sugar bags, fertilizer bags, garbage bags, and shrink wrap. Their pliable nature makes them a preferred choice for packaging and containment tasks.
- 3. LLDPE Bags (Linear Low-Density Polyethylene Bags): LLDPE bags offer even higher impact and puncture resistance compared to their counterparts. These bags excel in applications that demand durability and toughness, such as high-performance bags, industrial liners, and ice bags. Their enhanced resilience makes them suitable for challenging environments.

## **Quality Assurance and Standards**

The production of polyethylene bags involves a meticulous process that prioritizes quality control to meet international standards. A team of experienced quality testers ensures that every step of manufacturing adheres to strict quality measures. This dedication to maintaining the highest standards guarantees that the PE bags produced are of premium quality.

#### Features

## Key Features of PE Bags/PE Liners:

- **Low Temperature Resistance:** PE bags maintain their structural integrity even at low temperatures, ensuring the protection of products in freezing environments.
- Chemical Stability & Heat Resistance: These bags exhibit excellent resistance to various chemicals, acids, and alkalis, making them suitable for packaging materials that might interact with such substances. Moreover, their heat resistance ensures stability even in warm conditions.
- **Tensile Strength & Durability:** PE bags boast excellent tensile strength, which means they can withstand stretching and pulling forces without tearing easily. This quality contributes to their overall durability and reliability.
- Low Water Absorption: The bags' low water absorption properties prevent moisture from seeping into the packaging, thus safeguarding the enclosed products.
- **Electrical Insulation:** With their excellent electrical insulation properties, PE bags protect sensitive electronic components and products from static electricity and other electrical hazards.
- Lightweight and Flexibility: These bags are thin, soft, and lightweight, allowing for easy handling and efficient storage. Their flexibility ensures they can conform to the shape of the packaged items.
- Water and Steam Resistance: PE bags are resistant to water and steam, which makes them suitable for applications where moisture exposure needs to be minimized.
- **UV Resistance:** The bags' UV resistance safeguards the enclosed products from the potentially damaging effects of ultraviolet radiation.
- **Dust and Dirt Protection:** PE bags effectively safeguard products from dirt, dust, and other environmental contaminants, ensuring the products remain clean and intact.
- **Virgin Resin Composition:** Manufactured using 100% virgin resin, PE bags adhere to highquality standards, resulting in consistent performance and reliability.
- Light Restriction for Product Safety: These bags restrict the entry of light, providing an additional layer of safety to light-sensitive products.

#### Advantages

## Advantages of PE Bags/PE Liners:

- **Versatile Applications:** PE bags find applications in a diverse range of industries, including retail, food packaging, industrial storage, and more.
- **Transparency with Durability:** While transparent, PE bags are also slightly translucent, allowing visibility of the enclosed items while maintaining strength and durability.
- **Robust and Flexible:** The bags' strength and flexibility, combined with puncture, impact, and tear resistance properties, ensure the safe transportation and storage of various items.
- **Cost-Effective Solution:** Using PE bags can lead to cost savings due to their affordability and durability, reducing the need for frequent replacements.
- **Chemical Resistance:** These bags are resistant to various chemicals, making them suitable for packaging materials that come into contact with potentially corrosive substances.
- Safe for Food Packaging: Many PE bags are designated as food-grade, ensuring that they meet stringent safety and hygiene standards for packaging edible items.
- **Moisture Barrier:** PE bags' excellent moisture barrier properties prevent the penetration of water and moisture, preserving the quality of the packaged goods.

- **Regulatory Approvals:** PE bags, meeting FDA and USDA standards, are approved for use in food and pharmaceutical industries.
- **Waterproof:** The bags' waterproof nature makes them ideal for protecting items from water damage.
- **Ease of Processing:** PE bags are easy to process and mold, allowing for customization to meet specific packaging requirements.
- **Heat Sealing:** The bags can be effectively heat-sealed, ensuring secure closure and preserving product integrity.

## Applications

## Diverse Applications of PE Bags/PE Liners:

PE bags find utility in various applications, including but not limited to:

- Shopping bags, **PE Plastic bags**, and bottles
- Packaging of food grains, fertilizers, and cement
- Plastic chairs, tables, and other furniture
- Storage of screws, fittings, and small components
- Shrink wrap & films products
- Industrial liners
- Grocery polyethylene bags & garbage bags
- Ice bags and ice cube containers
- Manufacturing fibers for ropes and nets
- Vehicle fuel tanks for storage and transport
- Toys, bulk containers, pipes, and tubing
- Production of hollow plastic products
- Creation of flat yarns for various purposes

#### Specification

PE bags are available in a range of specifications to cater to different needs:

- Width: Ranging from 2cm to 200cm or as per requirement
- Length: Starting from 2cm to infinite length or as per requirement
- **Color:** Various color options available based on customer preferences
- **Packing:** Options include 100 pcs/bundle, 1000 pcs/large PE bags, 50 packs/bag, or as per requirement
- Gauges: Available from 0.23 mil to 8 mil or as per specific requirements

Polyethylene bags, commonly referred to as Polyethylene bags, commonly referred to as **PE bags** or **PE liners bags**, are versatile and widely used in various industries due to their exceptional properties. These bags offer three essential features that make them ideal for storing heavy-weight items: flexibility, tear-resistance, and durability. These qualities are pivotal in ensuring the safe storage of substantial loads, which is why major industrial companies prefer polyethylene storage bags for such purposes.

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- **Chemical Stability & Heat Resistance:** These bags exhibit excellent resistance to various chemicals, acids, and alkalis, making them suitable for packaging materials that might interact with such substances. Moreover, their heat resistance ensures stability even in warm conditions.
- **Tensile Strength & Durability:** PE bags boast excellent tensile strength, which means they can withstand stretching and pulling forces without tearing easily. This quality contributes to their overall durability and reliability.
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- **Electrical Insulation:** With their excellent electrical insulation properties, PE bags protect sensitive electronic components and products from static electricity and other electrical hazards.
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- **Robust and Flexible:** The bags' strength and flexibility, combined with puncture, impact, and tear resistance properties, ensure the safe transportation and storage of various items.
- **Cost-Effective Solution:** Using PE bags can lead to cost savings due to their affordability and durability, reducing the need for frequent replacements.
- **Chemical Resistance:** These bags are resistant to various chemicals, making them suitable for packaging materials that come into contact with potentially corrosive substances.
- Safe for Food Packaging: Many PE bags are designated as food-grade, ensuring that they meet stringent safety and hygiene standards for packaging edible items.
- **Moisture Barrier:** PE bags' excellent moisture barrier properties prevent the penetration of water and moisture, preserving the quality of the packaged goods.
- **Regulatory Approvals:** PE bags, meeting FDA and USDA standards, are approved for use in food and pharmaceutical industries.
- **Waterproof:** The bags' waterproof nature makes them ideal for protecting items from water damage.
- **Ease of Processing:** PE bags are easy to process and mold, allowing for customization to meet specific packaging requirements.
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- Plastic chairs, tables, and other furniture
- Storage of screws, fittings, and small components
- Shrink wrap & films products
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#### Specification

PE bags are available in a range of specifications to cater to different needs:

- Width: Ranging from 2cm to 200cm or as per requirement
- Length: Starting from 2cm to infinite length or as per requirement
- Color: Various color options available based on customer preferences
- **Packing:** Options include 100 pcs/bundle, 1000 pcs/large PE bags, 50 packs/bag, or as per requirement
- Gauges: Available from 0.23 mil to 8 mil or as per specific requirements

are versatile and widely used in various industries due to their exceptional properties. These bags offer three essential features that make them ideal for storing heavy-weight items: flexibility, tear-resistance, and durability. These qualities are pivotal in ensuring the safe storage of substantial loads, which is why major industrial companies prefer polyethylene storage bags for such purposes.

#### **Types of Polyethylene Bags**

Polyethylene bags can be categorized into three main groups based on their composition and properties:

- 1. HDPE Bags (High-Density Polyethylene Bags): These bags are known for their thin yet sturdy structure. They possess a level of flexibility that ranges from hard to semi-flexible. Moreover, HDPE bags exhibit remarkable moisture barrier properties, which contribute to their suitability for various applications. Examples of HDPE bag applications include injection moldings and flat yarns.
- 2. **LDPE Bags (Low-Density Polyethylene Bags):** LDPE bags are characterized by their softness, flexibility, and impressive transparency. These bags find utility in everyday items like ordinary bin bags, sugar bags, fertilizer bags, garbage bags, and shrink wrap. Their pliable nature makes them a preferred choice for packaging and containment tasks.
- 3. LLDPE Bags (Linear Low-Density Polyethylene Bags): LLDPE bags offer even higher impact and puncture resistance compared to their counterparts. These bags excel in applications that demand durability and toughness, such as high-performance bags, industrial liners, and ice bags. Their enhanced resilience makes them suitable for challenging environments.

#### **Quality Assurance and Standards**

The production of polyethylene bags involves a meticulous process that prioritizes quality control to meet international standards. A team of experienced quality testers ensures that every step of manufacturing adheres to strict quality measures. This dedication to maintaining the highest standards guarantees that the PE bags produced are of premium quality.

#### Features

## Key Features of PE Bags/PE Liners:

- **Low Temperature Resistance:** PE bags maintain their structural integrity even at low temperatures, ensuring the protection of products in freezing environments.
- **Chemical Stability & Heat Resistance:** These bags exhibit excellent resistance to various chemicals, acids, and alkalis, making them suitable for packaging materials that might interact with such substances. Moreover, their heat resistance ensures stability even in warm conditions.
- **Tensile Strength & Durability:** PE bags boast excellent tensile strength, which means they can withstand stretching and pulling forces without tearing easily. This quality contributes to their overall durability and reliability.
- Low Water Absorption: The bags' low water absorption properties prevent moisture from seeping into the packaging, thus safeguarding the enclosed products.
- **Electrical Insulation:** With their excellent electrical insulation properties, PE bags protect sensitive electronic components and products from static electricity and other electrical hazards.
- Lightweight and Flexibility: These bags are thin, soft, and lightweight, allowing for easy handling and efficient storage. Their flexibility ensures they can conform to the shape of the packaged items.
- Water and Steam Resistance: PE bags are resistant to water and steam, which makes them suitable for applications where moisture exposure needs to be minimized.
- **UV Resistance:** The bags' UV resistance safeguards the enclosed products from the potentially damaging effects of ultraviolet radiation.
- **Dust and Dirt Protection:** PE bags effectively safeguard products from dirt, dust, and other environmental contaminants, ensuring the products remain clean and intact.
- Virgin Resin Composition: Manufactured using 100% virgin resin, PE bags adhere to highquality standards, resulting in consistent performance and reliability.
- Light Restriction for Product Safety: These bags restrict the entry of light, providing an additional layer of safety to light-sensitive products.

## Advantages

## Advantages of PE Bags/PE Liners:

- **Versatile Applications:** PE bags find applications in a diverse range of industries, including retail, food packaging, industrial storage, and more.
- **Transparency with Durability:** While transparent, PE bags are also slightly translucent, allowing visibility of the enclosed items while maintaining strength and durability.
- **Robust and Flexible:** The bags' strength and flexibility, combined with puncture, impact, and tear resistance properties, ensure the safe transportation and storage of various items.

- **Cost-Effective Solution:** Using PE bags can lead to cost savings due to their affordability and durability, reducing the need for frequent replacements.
- **Chemical Resistance:** These bags are resistant to various chemicals, making them suitable for packaging materials that come into contact with potentially corrosive substances.
- Safe for Food Packaging: Many PE bags are designated as food-grade, ensuring that they meet stringent safety and hygiene standards for packaging edible items.
- **Moisture Barrier:** PE bags' excellent moisture barrier properties prevent the penetration of water and moisture, preserving the quality of the packaged goods.
- **Regulatory Approvals:** PE bags, meeting FDA and USDA standards, are approved for use in food and pharmaceutical industries.
- **Waterproof:** The bags' waterproof nature makes them ideal for protecting items from water damage.
- **Ease of Processing:** PE bags are easy to process and mold, allowing for customization to meet specific packaging requirements.
- **Heat Sealing:** The bags can be effectively heat-sealed, ensuring secure closure and preserving product integrity.

## Applications

#### Diverse Applications of PE Bags/PE Liners:

PE bags find utility in various applications, including but not limited to:

- Shopping bags, **PE Plastic bags**, and bottles
- Packaging of food grains, fertilizers, and cement
- Plastic chairs, tables, and other furniture
- Storage of screws, fittings, and small components
- Shrink wrap & films products
- Industrial liners
- Grocery polyethylene bags & garbage bags
- Ice bags and ice cube containers
- Manufacturing fibers for ropes and nets
- Vehicle fuel tanks for storage and transport
- Toys, bulk containers, pipes, and tubing
- Production of hollow plastic products
- Creation of flat yarns for various purposes

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# **PE BAGS SIZE CHART**

## 1. Small PE Bags:

- **Size**:  $4'' \ge 6'' \ge 8'' \ge 10'' (10 \text{ cm} \ge 15 \text{ cm} \ge 20 \text{ cm} \ge 25 \text{ cm})$
- **Common Uses**: Small parts packaging, jewelry, small food items, and sample bags.

# 2. Medium PE Bags:

- **Size**: 10" x 12" to 12" x 18" (25 cm x 30 cm to 30 cm x 45 cm)
- **Common Uses**: General-purpose packaging for items like clothing, books, and small electronics.

## 3. Large PE Bags:

- Size: 18" x 24" to 24" x 36" (45 cm x 60 cm to 60 cm x 90 cm)
- **Common Uses**: Packaging larger items, clothing, linens, and general storage.

## 4. Gusseted PE Bags:

- Size: Various sizes with expandable gussets.
- **Common Uses**: Used when you need a bag with extra depth or volume for bulkier items or irregularly shaped products.

## 5. Food-Grade PE Bags:

- **Size**: Available in a variety of sizes, including small sandwich bags to large storage bags.
- **Common Uses**: Used for food storage, meal prep, and foodservice applications. Sizes can range from small sandwich bags to large freezer bags.

## 6. Trash Can Liners:

- Size: Typically designed to fit standard trash cans and bins.
- **Common Uses**: Lining trash cans and waste bins. Common sizes include 13-gallon, 30-gallon, and 55-gallon liners.

# 7. Drum Liners:

- Size: Designed to fit various drum sizes, such as 55-gallon or 30-gallon drums.
- **Common Uses**: Used to line drums and barrels for the storage and transportation of liquids, powders, or solid materials.

## 8. Poly Tubing:

- **Size**: Available in rolls of various widths, with the length often determined by the customer's requirements.
- **Common Uses**: Customizable for various lengths, poly tubing is used for creating bags of specific sizes by cutting and sealing to length.

# 9. Specialty PE Bags:

- Size: Can vary widely depending on the specialized application.
- **Common Uses**: Specialty PE bags are designed for specific purposes, such as antistatic bags for electronics, UV-resistant bags for outdoor use, or moisture barrier bags for sensitive items.

# PE LINER BAGS SIZE CHART

# 1. Drum Liner Bags:

- **Size**: Designed to fit standard drum sizes, such as 55-gallon (208-liter) and 30-gallon (114-liter) drums.
- **Common Uses**: Lining drums for the storage and transportation of liquids, powders, or solid materials.

# 2. Gaylord Liner Bags:

- **Size**: Typically customized to fit Gaylord boxes, which come in various dimensions. Common sizes include 40" x 40" x 40" and 45" x 45" x 45".
- **Common Uses**: Lining large Gaylord-style containers for the storage and transportation of bulk materials.

# 3. IBC Liner Bags:

- **Size**: Designed to fit Intermediate Bulk Containers (IBCs), which have various sizes, but a common size is approximately 48" x 40" x 48".
- **Common Uses**: Lining IBCs for the safe transport and storage of liquids and bulk materials.

# 4. Trash Can Liner Bags:

- **Size**: Customized to fit various sizes of trash cans and waste bins, including 13-gallon, 30-gallon, and 55-gallon sizes.
- **Common Uses**: Lining trash cans and waste bins to collect and dispose of trash and waste.

# 5. Pail Liner Bags:

- Size: Designed to fit various pail sizes, such as 5-gallon and 2-gallon pails.
- **Common Uses**: Lining pails and buckets for the storage and transportation of liquids, chemicals, and powders.

# 6. Tote Liner Bags:

- **Size**: Customized to fit specific tote or bulk container dimensions, which can vary.
- **Common Uses**: Lining tote containers used in manufacturing, storage, and transportation of materials.

# 7. Food-Grade Liner Bags:

- **Size**: Available in various sizes, from small bags for ingredient storage to large bags for bulk food handling.
- **Common Uses:** Used in food processing and handling for storing and transporting food ingredients or products.
- 8. Custom Liner Bags:
  - Size: Tailored to the customer's specific requirements, which can vary widely.
  - **Common Uses**: Custom PE liner bags can be manufactured for unique applications, including those with special shapes, dimensions, or features.