

GREENHOUSE CLADDING FILMS
GEOMEMBRANE SHEETS
FORM-FIT LINERS & LDPE LINERS
SHRINK FILMS
LDPE TARPAULINS
ANAEROBIC BAGS
FLEXIBLE WATER TANKS
FLEXIBLE PACKAGING

**SHAPING QUALITY,
CRAFTING DURABILITY...**

DURA  SAFE

www.ajantapolyplast.com

COMPANY INTRODUCTION

Welcome to **AJANTA POLYPLAST LLP** - a trusted name in flexible plastic packaging solutions. Established in 1996 and rebranded as AJANTA POLYPLAST LLP in 2023, we have consistently delivered advanced film-based products designed for durability, performance, and sustainability across a diverse range of industries.

With nearly three decades of experience, we specialize in high-quality LDPE plastic packaging tailored to the evolving needs of sectors such as agriculture, infrastructure, food processing, construction, Pharmaceutical, chemicals, and water management. Our commitment lies in offering consistent product quality, prompt service, and cost-effective solutions — all in compliance with the highest global standards.

To further strengthen our market presence and brand identity, we proudly introduce.

DURA SAFE - our exclusive brand representing strength, safety, and reliability. Moving forward, a wide range of our protective packaging and film solutions will be developed and supplied under the **DURA SAFE** label, reflecting our core values of innovation, performance, and customer-centricity.

As an ISO 9001:2015 certified company, we operate under a robust quality management system, ensuring transparency, consistency, and continuous improvement across all aspects of our business.

OUR VISION



To become a globally trusted and innovative leader in flexible plastic packaging by consistently enhancing product performance, manufacturing efficiency, and environmental responsibility. We aim to build lasting partnerships through quality, reliability, and forward-thinking solutions.

OUR MISSION



Our mission is to deliver customized, high-quality, and sustainable plastic packaging solutions that cater to the dynamic needs of modern industries. By leveraging advanced technology, streamlined processes, and a customer-first approach, we strive to create long-term value for our clients and contribute meaningfully to a more sustainable future.



OUR PRODUCT RANGE

We manufacture a comprehensive range of high-quality, polymer-based products including: **Greenhouse Cladding Films, Geomembrane Sheets, Flexible Water Tanks, Anaerobic Bags, Tarpaulins, Shrink Packaging Films, LDPE Liners, Form-Fit Liners, and Flexible Packaging Solutions** - all tailored to meet the functional and regulatory demands of various industrial and agricultural applications.

KEY MACHINERY & CAPABILITIES

Our state-of-the-art production facility is designed to support large-scale, high-precision output. It is equipped with:

- Four high-performance multi-layered plastic extrusion lines
- Advanced rotogravure printing (up to 4-color)
- Precision slitting and winding systems
- High-speed bottom and side sealing machines
- Specialized equipment for bottle-shaped liners.

PRODUCTION SPECIFICATIONS

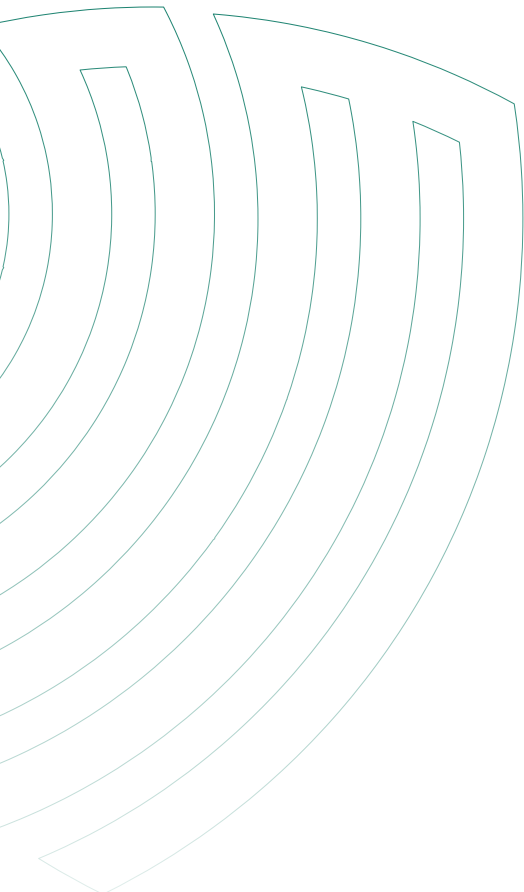
- Tubular film with gussets: **from 100 mm (4") to 4500 mm (180")**
- Open sheet widths: **up to 9000 mm (360")**
- Film thickness: **50 to 1000 microns**
- Surface finish options: **Natural, Glossy, Matte**
- Optional enhancements: **UV Stabilization, Anti-static, Corona Treatment**
- Fully customizable printing, sizing, and packaging formats



GREENHOUSE CLADDING FILMS

Our **DURA SAFE** Greenhouse Cladding Films are specially engineered multi-layer LDPE films designed to create optimal growing environments for horticulture and agriculture. Manufactured using advanced extrusion technology, these films offer excellent light transmission, UV resistance, and mechanical strength - making them ideal for protecting crops and enhancing yield.

Available in various thicknesses, widths, and customizable lengths, our films can be tailored to meet specific climatic conditions and crop requirements. Optional features such as anti-drip, anti-dust, thermal insulation, and IR additives further improve the film's performance and longevity.



KEY FEATURES & FUNCTIONAL BENEFITS



Light Transmission & Diffusion

Allows optimal sunlight for photosynthesis while diffusing light evenly, reducing shadows, sunburn, and plant stress for uniform crop growth.



UV Stabilization

Enhances the life of the film by protecting it from degradation caused by prolonged exposure to sunlight, ensuring durability and reliability over time.



Thermal Insulation

Traps solar heat inside the greenhouse, maintaining warmer internal temperatures during cold seasons to support plant growth and energy efficiency.



Condensation Control (Anti-Drip)

Prevents water droplets from forming on the inner surface of the film, reducing the risk of fungal diseases and protecting plant leaves and flowers.



Weather Protection

Shields crops from harsh weather conditions like wind, rain, hail, frost, and extreme temperatures—ensuring crop safety and consistent productivity.



Pest & Disease Reduction

Acts as a physical barrier against insects, birds, and airborne diseases, lowering dependency on chemical pesticides and reducing crop damage.



Water Conservation

Reduces water loss through evaporation by maintaining optimal humidity levels inside the greenhouse, leading to more efficient irrigation.



Season Extension & Yield Improvement

Creates a stable growing environment that enables off-season cultivation of high-value crops, resulting in increased yield and improved quality.



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GEOMEMBRANE SHEET

Our **DURA SAFE** Geomembrane Sheets, are made from LDPE, LLDPE, and HDPE grades, are engineered to deliver exceptional impermeability and long-term containment in the most demanding environmental, agricultural, and industrial applications. These high-performance liners act as reliable barriers against water, chemicals, and gases - making them ideal for ponds, canals, landfills, reservoirs, biogas units, and other critical containment structures.

Crafted using advanced multi-layer extrusion technology, our geomembranes offer outstanding tensile strength, flexibility, UV resistance, and chemical durability. Whether deployed in exposed outdoor conditions or buried installations, they are designed to maintain structural integrity and performance over extended service life - ensuring maximum protection, safety, and sustainability.

KEY FEATURES & FUNCTIONAL BENEFITS



Excellent Impermeability

Creates a strong barrier to prevent water, leachate, chemicals, and waste from seeping into the ground — ideal for ponds, canals, and landfills.



High Strength & Puncture Resistance

HDPE and LDPE variants offer outstanding mechanical strength and resistance to punctures, ensuring long-lasting performance under heavy loads.



UV & Weather Resistance

Formulated with UV stabilizers for superior outdoor performance, especially in exposed applications like reservoirs and evaporation ponds.



Chemical & Corrosion Resistance

Highly resistant to a wide range of acids, alkalis, oils, and industrial chemicals — suitable for hazardous waste containment and chemical storage.



Flexible & Easy Installation

LDPE and LLDPE sheets offer excellent flexibility for irregular terrains, while HDPE provides stiffness and dimensional stability for large-scale projects.



Long-Term Environmental Protection

Prevents soil and groundwater contamination, supporting eco-safe construction, farming, and industrial operations.



Extended Service Life

Durable under extreme environmental conditions, with an expected life of 5–20 years depending on exposure, thickness, and material grade.





TYPICAL APPLICATIONS OF GEOMEMBRANE SHEETS



Agricultural Ponds and Water Harvesting Tanks Used to line farm ponds and rainwater storage tanks, geomembranes help conserve water by preventing seepage, supporting sustainable irrigation practices, and reducing dependence on groundwater.



Canal Lining and Irrigation Reservoirs Lining canals and reservoirs with geomembrane sheets significantly reduces water loss, improves irrigation efficiency, and extends the service life of water distribution systems.



Municipal and Industrial Landfill Liners and Caps Geomembranes serve as critical liners and capping materials in landfills, preventing leachate migration and protecting soil and groundwater from hazardous waste contamination.



Aquaculture and Fish Farming Ponds Used to create clean, controlled environments in fish and shrimp farming, geomembranes prevent seepage and protect aquatic life by reducing exposure to external pollutants.



Salt Pans and Brine Ponds Ideal for salt production and chemical evaporation ponds, these liners prevent saline seepage, withstand UV exposure, and ensure efficient salt crystallization while protecting surrounding land and water bodies.



Roads and Highway Embankments Geomembrane sheets are used in road construction to improve subgrade stability, control moisture movement, and prevent water infiltration into pavement layers. They also serve as effective barriers in underpasses, tunnels, and bridge foundations, enhancing durability and reducing maintenance.

TYPICAL APPLICATIONS OF GEOMEMBRANE SHEETS



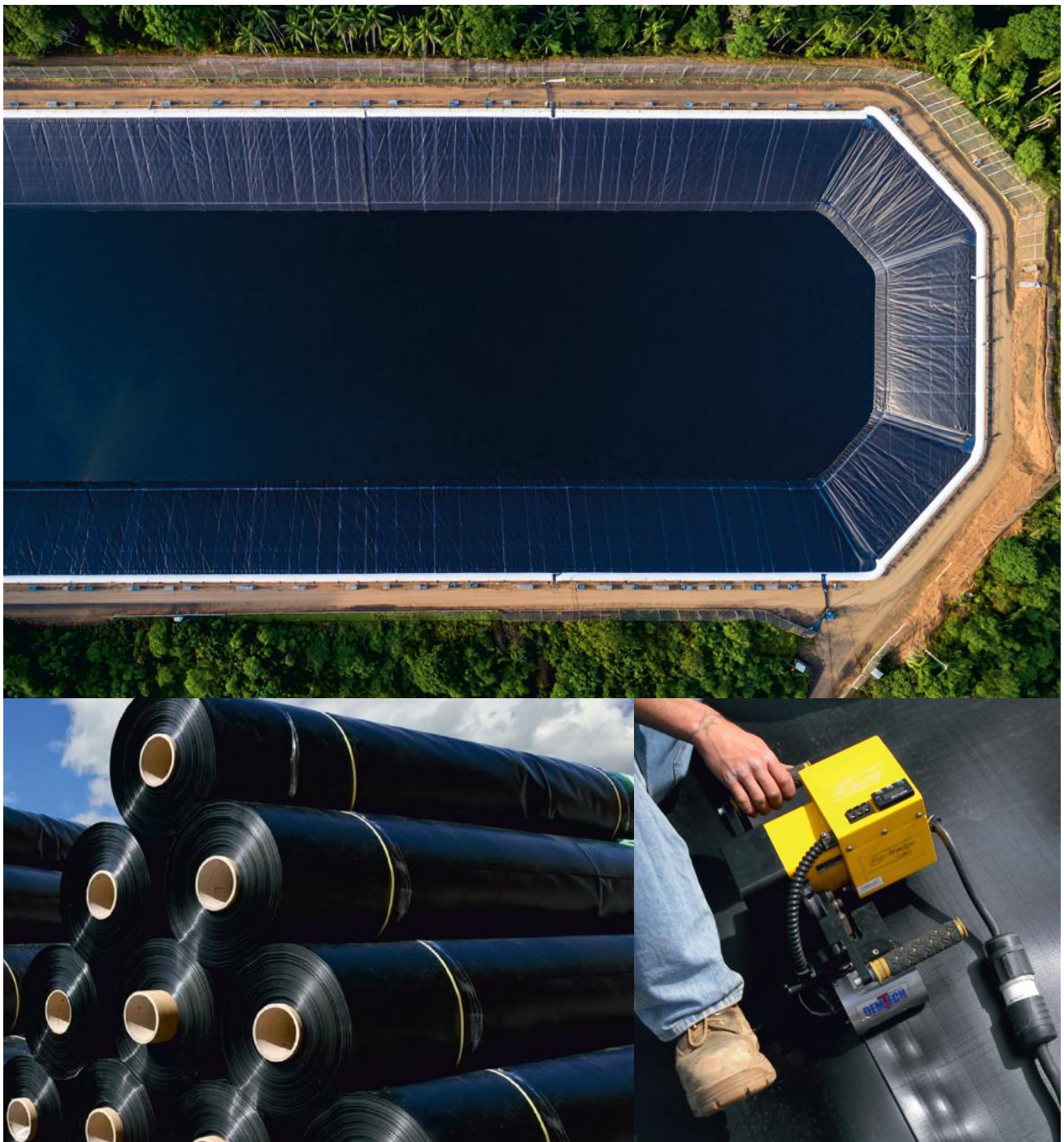
Biogas Plants, Slurry Pits, and Leachate Ponds Highly resistant to chemicals and organic waste, geomembranes are ideal for lining biogas digesters, slurry tanks, and leachate ponds, ensuring safe containment and efficient gas capture.



Mining Tailing Ponds and Heap Leach Pads In mining operations, geomembrane liners provide a dependable barrier for containing tailings and processing fluids. Their high chemical resistance and strength make them essential in environmentally sensitive operations.



Chemical Storage and Hazardous Waste Containment These liners are used in secondary containment zones, storage basins, and chemical holding ponds to safeguard against leaks and spills, ensuring environmental compliance and workplace safety.





FORM-FIT & LDPE LINERS

Our LDPE Liners and Form-Fit Liners, manufactured under the **DURA SAFE** brand, are designed to offer safe, efficient, and leak-proof packaging and containment solutions across a wide range of industrial and agricultural applications. These liners are made from high-quality Low-Density Polyethylene (LDPE), offering excellent flexibility, strength, and chemical resistance.

LDPE Liners are ideal for lining containers, boxes, drums, and crates - acting as a protective barrier to prevent contamination, leakage, or product loss during storage and transport.

Form-Fit Liners, also known as cube liners or box-shaped liners, are custom-shaped to match the dimensions of FIBCs (bulk bags), IBCs (intermediate bulk containers), and bins. These liners expand with the container, minimizing waste, maximizing fill efficiency, and improving product handling - especially for powdered, granulated, or liquid products.

KEY FEATURES & FUNCTIONAL BENEFITS



Leak-Proof Protection Prevents leakage and contamination during storage, filling, and transit.



Superior Flexibility & Toughness LDPE film provides tear resistance, stretchability, and excellent load stability.



Hygienic and Food-Safe Options Available in food-grade variants for safe packaging of consumables and pharmaceutical raw materials.



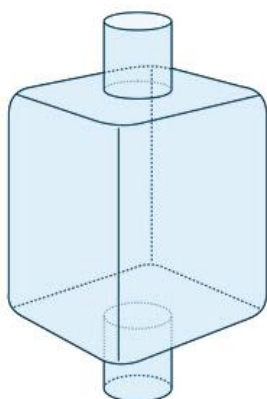
Custom Fit for Maximum Efficiency Form-Fit Liners reduce product residue and enable clean, complete discharge from containers.



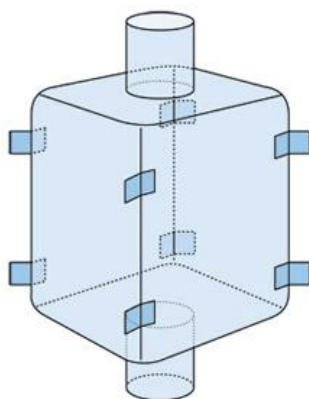
Chemical & Moisture Resistance Offers protection from moisture, oils, chemicals, and dust—ideal for sensitive products.



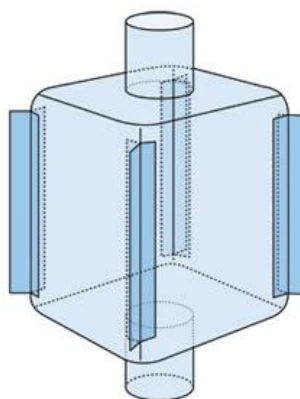
Available in Plain or Printed Options Liners can be customized with print, gussets, antistatic properties, and thickness as required.



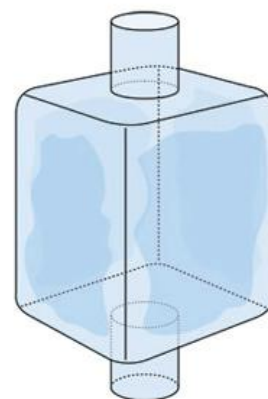
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TYPICAL APPLICATIONS

- Lining of FIBCs, drums, bins, cartons, and containers
- Packaging for powdered chemicals, resins, and granules
- Bulk packaging of liquids, pastes, and semi-viscous materials
- Clean and controlled transport of food products, pharmaceuticals, and cosmetics
- Protective inner liner for agriculture produce, fertilizers, and seeds and pharmaceuticals.

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SHRINK FILMS

Our **DURA SAFE** Shrink Films are premium-quality, heat-sensitive packaging films designed to shrink uniformly and tightly around products when exposed to heat. Manufactured using high-grade LDPE and LLDPE resins, these films offer excellent clarity, strength, and gloss—ensuring secure, tamper-evident packaging with a clean, professional finish.

Widely used across a broad range of industries including food and beverages, pharmaceuticals, electronics, automotive, construction materials, and household goods, **DURA SAFE** Shrink Films deliver both functional protection and aesthetic appeal. They safeguard products from dust, moisture, and physical damage during transit and storage while enhancing product visibility and shelf presence.

KEY FEATURES & ADVANTAGES



Excellent Shrink Performance Uniform shrinkage in both directions (TD & MD), ensuring a tight, wrinkle-free finish.



Superior Clarity & Gloss Enhances product visibility and brand presentation on retail shelves.



High Strength & Tear Resistance Withstands mechanical stress during transit and handling.



Moisture & Dust Protection Creates a sealed barrier to protect goods from external elements.



Customizable Thickness & Sizes Available in roll or sheet form with various widths, lengths, and micron options.



Print-Ready Surface Available with corona treatment for custom branding and promotional printing.



TYPICAL APPLICATIONS

- Bottle & Can Packaging (e.g., multi-packs in beverages)
- Carton & Pallet Wrapping for transportation stability
- Hardware and Construction Materials (tiles, pipes, cement bags)
- Consumer Electronics & Appliances
- Retail Multipacks & Promo Packs
- Pharmaceutical & Personal Care Products
- Furniture, Glassware, and Industrial Goods



LDPE TARPAULINS

DURA SAFE LDPE Tarpaulins are premium-grade protective sheets made from 100% virgin Low-Density Polyethylene, engineered to provide long-lasting protection against water, sunlight, dust, and mechanical damage. Designed for versatile use, they are lightweight yet strong, UV stabilized, fully waterproof, and highly flexible—making them suitable for both short-term and long-term outdoor applications.

Among their most prominent uses, **DURA SAFE** Tarpaulins are widely trusted as Truck Covers - offering secure, weatherproof protection for goods in transit. Whether covering open-bed trailers, cargo trucks, or flatbeds, these tarps guard against rain, dust, sun, and road debris—ensuring safe delivery and product integrity throughout the journey.

Their smooth surface, high flexibility, and resistance to tearing make them easy to install, fold, and reuse—perfect for dynamic usage in varied environments.

KEY FEATURES & ADVANTAGES



100% Virgin LDPE Construction Flexible, recyclable, and durable for a wide range of coverage needs.



Excellent Waterproofing & UV Resistance Provides reliable protection against harsh weather and prolonged sunlight exposure.



High Tear, Puncture & Abrasion Resistance Designed to withstand rough handling and challenging transport conditions.



Trusted for Truck & Cargo Covers Secures goods during transportation by road, even over long distances and in changing climates.



Customizable in GSM, Size & Color Available in rolls or sheets with options for eyelets, reinforcement, and branding.



Reusable & Easy to Maintain Smooth, non-stick surface allows for quick cleaning and repeated use.



TYPICAL APPLICATIONS

- **Truck, Trailer & Cargo Covers** - ideal for logistics and transportation
- **Agricultural Covers** - grain storage, silage, farm machinery
- **Construction Site Protection** - cement, scaffolding, raw material shielding
- **Open Yard & Monsoon Protection** - industrial inventory, packaging materials
- **Tents, Shelters & Ground Sheets** - for events, camps, and field sites



DURA SAFE



ANAEROBIC BAG

DURA SAFE Anaerobic Bags are high-performance, multi-layer LDPE/LLDPE airtight bags designed for the **anaerobic fermentation** of organic agricultural inputs. These specialized bags allow for the preparation of liquid bio-fertilizers and plant-based bio-pesticides by fermenting materials like cow dung, urine, jaggery, neem, garlic, ginger, chili extracts, and vermiwash under oxygen-free conditions.

By maintaining an anaerobic (sealed) environment, the bags promote the growth of beneficial microbes such as ***Azotobacter*** and ***Rhizobium***, which enhance soil fertility and support healthy plant development.

KEY BENEFITS & APPLICATIONS



Liquid Bio-Fertilizer (e.g., Jeevamrut) Rich in beneficial microbes (Azotobacter, Rhizobium, etc.) that improve soil health and boost plant growth naturally.



Liquid Bio-Pesticide Fermented plant-based extracts (e.g., neem + chili + garlic) work as natural repellents against common pests and insects.



Low-Cost, On-Farm Input Production Reduces reliance on synthetic fertilizers and pesticides by enabling easy, affordable preparation at the farm level.



Preserves Microbial Quality Airtight design helps retain microbial potency throughout the fermentation period.



Easy Handling & Storage Lightweight, leak-proof, reusable, and suitable for transport and storage in varied conditions.



Supports Organic & Sustainable Farming Encourages eco-friendly agricultural practices with minimal environmental impact.



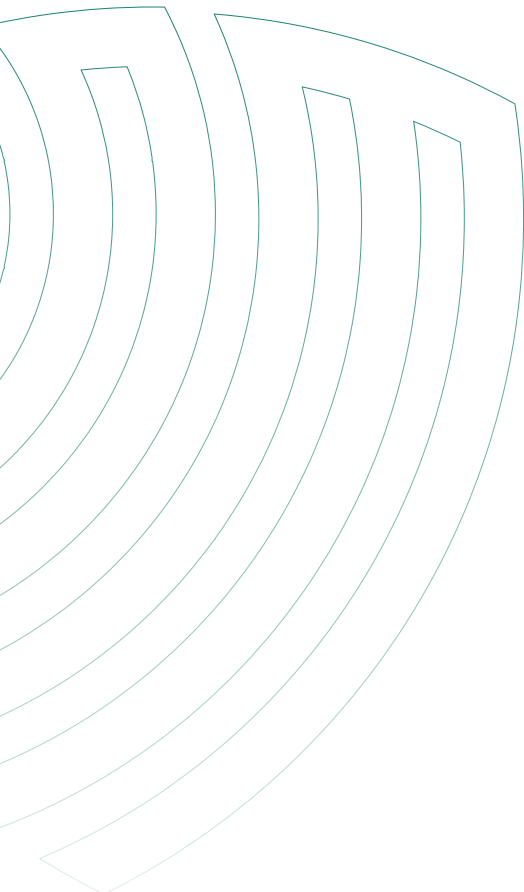
SIMPLE USAGE PROCESS

- Fill the bag with selected organic inputs and water.
- Seal the bag tightly to make it completely airtight.
- Place it in a shaded area and let it ferment for 60 days.
- After 60 days, adjust ingredients daily if needed and use the liquid directly or diluted.



FLEXIBLE WATER TANK

DURA SAFE Flexible Water Tanks is a portable, collapsible container made from durable, flexible materials like HDPE, LDPE, LLDPE & other Additives designed for storing and transporting water. Ideal for temporary or remote water storage, these tanks are lightweight, easy to install, and resistant to UV rays, chemicals, and abrasion. Used in agriculture, disaster relief, camping, and construction, they offer a cost-effective, space-saving alternative to rigid tanks, with capacities ranging from small to large volumes.



KEY BENEFITS & APPLICATIONS



Portable & Collapsible Lightweight and foldable for easy transport, setup, and compact storage.



Durable & Weather-Resistant Reinforced construction resists UV radiation, chemical exposure, and physical stress.



Leak-Proof & Long-Lasting Heat-sealed seams ensure excellent containment and reliability under pressure.



Multiple Capacities & Sizes Offered in standard and customized volumes to suit small to large-scale storage needs.



Easy Installation & Relocation No skilled labor or civil work required—quick to deploy, reposition, or dismantle.



TYPICAL APPLICATIONS

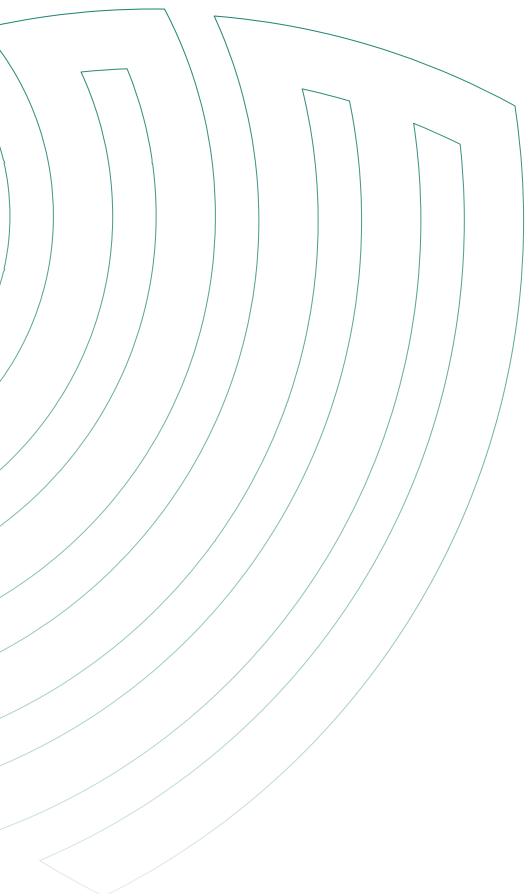
- **Agricultural Water Storage** – for irrigation and livestock supply
- **Emergency Water Supply** – during disaster relief operations
- **Remote Area Storage** – for villages, field camps, or construction sites
- **Industrial Use** – for storing process water, effluents, or chemicals
- **Firefighting Support** – as a mobile or temporary water source
- **Military & Defense Use** – compact water storage for field operations
- **Rainwater Harvesting** – collection from rooftops or open catchments
- **Drinking Water Storage** – safe, food-grade options for potable use
- **Construction Sites** – water for concrete mixing, cleaning, and site use



FLEXIBLE PACKAGING

DURA SAFE Flexible Packaging delivers high-performance films made from premium LDPE, LLDPE, and multilayer blends, serving industries like food, pharma, agriculture, chemicals, and retail. These films offer excellent strength, clarity, and barrier protection against moisture, oxygen, and UV—ensuring product freshness and extended shelf life.

Compatible with form-fill-seal (FFS) machines, lamination, and pouch-making processes, they are ideal for various formats like three-side seal, center seal, gusseted, and stand-up pouches. High-quality rotogravure and flexographic printing further enhance shelf appeal and brand visibility.





KEY FEATURES & ADVANTAGES



Multilayer Co-extruded Films Optimized for strength, flexibility, and barrier performance.



High Barrier Protection Shields contents from moisture, air, UV exposure, and odor- extending shelf life.



Superior Printability & Branding Supports vibrant and durable designs via rotogravure, flexo, and lamination-grade inks.



Excellent Seal Strength Secure sealing for both hot and cold fill applications, reducing risk of leakage.



Food & Pharma Grade Compliance Produced under stringent hygiene standards and available in certified food-safe options.



Sustainable Options Available Eco-conscious film structures including recyclable, downgauged, or bio-based alternatives.

TYPICAL APPLICATIONS



Food & Beverage

Grains, pulses, snacks, frozen foods, sauces, dairy



Agrochemicals & Fertilizers

Moisture-resistant films for powders and granules



Pharmaceuticals & Medical Devices

Sterile pouches, sachets, and blister packaging



Consumer Goods & Retail

Electronics, cosmetics, toiletries, garments



Industrial Products

Resin granules, adhesives, lubricants, auto components



Hygiene & Personal Care

Baby diapers, sanitary pads, facial tissue packs



Pallet Covers

Wrapping and protecting palletized loads during storage and transport



Lumber Covers

Shielding timber, plywood, and building materials from weather and dust





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