

Company Profile 2022

Synergy Packaging (Pvt.) Ltd. is committed to making sustained efforts toward optimum utilization of its resources through good corporate governance to serve the customer and Pakistan

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COMPANY PROFILE



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Welcome to Our Company

United Group is Pakistan's leading business group. We access, develop, service, and sustain local and international markets by producing sugar, Ethanol & HDPE drums, and PET bottles in our state-of-the-art plants, as well as importing coal, chemicals & fertilizer from the global market. We focus industries and resources on activities that make trade work better. We invest in high-quality infrastructure and build innovative, end-to-end services that effectively bridge the gap between buyers and sellers. Our activities help create more efficient markets, reducing long-term costs for the participant.

Sugar, Ethanol, and selling the same in the local and international market. Our business coal, Chemicals & fertilizer import, trading, and logistics in local markets. We have invested strategically to develop assets that strengthen our industries and trading operations. These are managed independently as stand-alone organizations and transact business within the Group and with third parties. This approach maximizes productivity in all parts of the Group and ensures resources are allocated efficiently.



Synergy Packaging (Pvt.) Ltd. is committed to making sustained efforts toward optimum utilization of its resources through good corporate governance to serve the customer in the region.

SYNERGY PACKAGING (PVT.) LTD. is a group company of UNITED GROUP incorporated on 10th March 2020 under the Company's ordinance, 1984 to provide another production company to the Group to enter in Plastic drum, pet bottles and all sort of packaging material to cater various industrial needs.

With a mission to assist in employment generation and value addition to the national income, through the development of the industrial sector, by helping increase the number, scale, and competitiveness of SYNERGY PACKAGING (PVT.) LTD. has carried out sectoral research' to identify policy, access to business development services, strategic initiatives, institutional collaboration, and networking initiatives.



Quality. & Innovation.

Synergy Packaging (PVT) LTD supplies HDPE drums in various sizes 250 Kg, 210 Kg, 120 Kg, 20 Ltr drums/cans, and PET bottles for food and pharma applications in numerous dimensions like 120 ml, 90 ml, 60 ml, 30 ml 1.5 Ltr, 3 Ltr, 4.5 Ltr, and others, to multiple industries countrywide.

True sustainability at scale Our unparalleled, innovative solutions cover the entire packaging life cycle, providing customized, environmentally friendly options that give businesses across the planet a lighter ecological footprint.

Synergy Packaging provides a complete product range for all kinds of customers industrial packaging needs

- Ideal for filling with liquid or powder/solid goods for the chemical, pharmaceutical, agricultural, construction, and Lubricant industries.
- UN-approved for liquids, solids and dangerous goods.
- Able to perfectly integrate into filling processes.

BLOW SECTION

In the blowing section Blow Molding Machines are suitable for producing big and large containers, such as water tanks, chemical drums, jerry cans, and automobile components.

These machines are equipped with accumulator-type mold heads and multi-point parison controllers. Mold carriages are perpendicular and easy for producing different-shaped products.

Synergy packaging offers the latest triple-layer and single layer drums with two extended XL-Rings at the top and bottom for easy handling, better stack ability, and excellent drop impact strength. These products have set a new standard in drum packaging.



Top plate drainage

A small opening in the handling ring of the layered drum prevents liquid from collecting on top of the drum



Best residual draining

The optimized geometry of the upper plate with sloping sides enables residual draining to less than 100 ml (by VPA) through both bungle holes



Suitable for automatic filling lines

The bungs are precisely calibrated, and the bottom plate, optimized for automatic filling systems, has excellent stability and handling characteristics.

Efficient transport and easy handling

The drum dimensions are optimized for transport in containers. The stable upper ring and the grip hole in the base guarantee easy handling – and can quickly move with all standard drum grippers

Best stackability

The upper ring is higher than the top plate, meaning that the weight is transmitted to the drum walls and not to the top, like in conventional drums.



Optimum protection of bungs and labels The bungs and titles are ideally protected during transport and stacking due to the higher upper ring.



Low tare weight

Reduced material quantity and compliance with the highest safety standards give the F1 drum an excellent eco-balance.

TRIPLE LAYER DRUM

3 Layer drums provided two openings of 70 mm and 100% leakproof plugs with sealing gaskets. These drums are best suited for packaging liquid and semi-solid products, including most hazardous chemicals.



TRIPLE LAYER DRUM

#NO	COLOR	WEIGHT	CAPACITY
3LD2210	RGB	9-9.8kg	210kg
3LD2250	RGB	10.8-11.3kg	250kg

Three layers allow us to triple blow mounding solutions, such as layouts and Intelligent machine production for specific applications. Characteristics to optimally adapt the drum to three different materials to use – Multi-layer extrusion allows up to robustness and optimized material use. Thus ensuring exceptional stability and without deviations, tears, or inclusions, It guarantees consistent drum wall thicknesses.

Features

Excellent finish

UV-resistant

High strength

Leak Proof

Hi/Low pH

Technical Specification

Product Name	250 KG HDPE	210 KG HDPE
Product Weight	11.3 KG	9.8 KG

Dimensions

	250 KG HDPE	210 KG HDPE
Diameter	583 +/- 5 MM	583 +/- 5 MM
Total Height	1055 +/-5 MM	910 +/-5 MM
Collar to Collar Height	1048 +/-5 MM	899 +/-5 MM
Inner Height	1033 +/-5 MM	890 +/-5 MM
Thickness Top	6 +/-0.5 MM	6 +/-0.5 MM
Top "L" Ring	7 +/-0.5 MM	7 +/-0.5 MM
Bottom "L" Ring	8 +/-0.5 MM	8 +/-0.5 MM
Belly thickness	4 +/-0.5 MM	4 +/-0.5 MM
Bottom	7.5 MM	7.5 MM
Dia at Ring	589 +/- 5 MM	589 +/- 5 MM
Dia at Center	585 +/-5 MM	585 +/-5 MM
Upper / Lower Dia	583 +/-5 MM	583 +/-5 MM
Neck Inner Dia	74 +/- 0.5 MM	74 +/- 0.5 MM
Neck Outer Dia	84 +/- 0.5 MM	84 +/- 0.5 MM
Bungs Height	30 +/- 0.5 MM	30 +/- 0.5 MM
Bungs Weight	34 +/- 0.5 GRAMS	34 +/- 0.5 GRAMS
Internal Contamination	NIL	NIL

Usage

- Lube Oil/Additives
- Specialty Chemicals
- Construction Chemicals
- FMCGs
- Paints & Inks
- Pharmaceuticals
- Food Dyes intermediates

TRIPLE LAYER TECHNOLOGY

The Triple layer configuration (inner layer and outer layer : 10% to 25% each, middle layer : 50% to 80%) is intended to assign a specific feature to each layer (for instance high purity material in the inner layer, regrind material in the middle layer, antistatic additive in the outer layer).

meet customer purity requirements, minimize material waste and keep product costs down when transporting specialty chemicals in our Triple layer HDPE drums

Multilayer design include a wetted inner layer of virgin HDPE material for use in application where purity is critical.

Blow molding in three layers enable us to maintain purity in the inner layer, minimize material waste in the middle layer and use additive and colorants in the outer layer for added strength

The single-piece blow molded drum has a deep draw integral RING that protects the drum insert and shipping enclosures during transportation.



We have invested in blow molding technology to give our customers the highest purity HDPE drums currently available, in addition to having higher purity lower trace metals and fewer particles than current HDPE drums.

- Superior trace metal performance.
- Design for maximum retrievability with a unique sump that minimizes residual chemical.
- Single-piece design with molded in chime increases strength and closure protection.
- The port sealing surface allows o-rings to provide closure seal.
- Pressure tested.
- Accommodates standard drum insert length.
- Tamper evident covers are available.

1 LAYER DRUM

Synergy packaging offers the latest XL-Ring drums with two extended XL-Rings at the top and bottom for easy handling, better stack ability, and excellent drop impact strength. These patented products have set a new standard in drum packaging.



1 LAYER DRUM

1 Layer drums provided two openings of 70mm and 100% leakproof plugs with sealing gaskets. These drums are best suited for packaging liquid and semi-solid products, including most hazardous chemicals.

Features

Excellent finish

UV-resistant

High strength

Leak Proof

Hi/Low pH

Technical Specification

Product Name	250 KG HDPE		210 KG HDPE	
Product Weight	10 KG		9.8 KG	
Dimensions				
Diameter	583 +/- 5	MM	583 +/- 5	MM
Total Height	1055 +/-5	MM	910 +/-5	MM
Collar to Collar Height	1048 +/-5	MM	899 +/-5	MM
Inner Height	1033 +/-5	MM	890 +/-5	MM
Thickness Top	6 +/-0.5	MM	6 +/-0.5	MM
Top "L" Ring	7 +/-0.5	MM	7 +/-0.5	MM
Bottom "L" Ring	8 +/-0.5	MM	8 +/-0.5	MM
Belly thickness	4 +/-0.5	MM	4 +/-0.5	MM
Bottom	7.5	MM	7.5	MM
Dia at Ring	589 +/- 5	MM	589 +/- 5	MM
Dia at Center	585 +/-5	MM	585 +/-5	MM
Upper / Lower Dia	583 +/-5	MM	583 +/-5	MM
Neck Inner Dia	74 +/- 0.5	MM	74 +/- 0.5	MM
Neck Outer Dia	84 +/- 0.5	MM	84 +/- 0.5	MM
Bungs Height	30 +/- 0.5	MM	30 +/- 0.5	MM
Bungs Weight	34 +/- 0.5	GRAMS	34 +/- 0.5	GRAMS
Internal Contamination	NIL		NIL	

Usage

- Lube Oil/Additives
- Specialty Chemicals
- Construction Chemicals
- FMCGs
- Paints & Inks
- Pharmaceuticals
- Food Dyes intermediates

#NO	COLOR	WEIGHT	CAPACITY
1LD2210	RGB	9.8kg	210kg
1LD2250	RGB	10kg	250kg

OPEN TOP DRUM

Open top drum are another top-quality Synergy packaging products that are the industry-wide standard. Produced to meet demanding technical requirements, they are the perfect solution for clean, economical handling of any hazardous liquids or solids



OPEN TOP DRUM

Whether solid, viscous or liquid hazardous goods open top drum has been tested and proven over and over in a wide range of different applications. The ideal drum system for transporting chemicals. These drums were designed specially for the North American market and comply with the standard US dimensions.

Features

Excellent finish

UV-resistant

High strength

Leak Proof

Hi/Low pH

Technical Specification

Product Name	120 Liters Open Top Drum	
Product Weight	4 to 4.5 KG	
Dimensions		
Diameter	500 +/- 5	MM
Total Height	787 +/-5	MM
Belly thickness	3 +/-0.5	MM
Clamping Ring	0.500	GRAMS
Lid Cap Black	0.750	GRAMS

Usage

- Lube Oil/Additives
- Specialty Chemaicals
- Construction Chemicals
- FMCGs
- Paints & Inks
- Pharmaceuticals
- Food
- Dyesntermediates

JERRY CANS

Jerrycans give an excellent freight factor of 2 KG making optimum use of international standards pallet size, with stacking eight across which is the internal width of an ISO freight container. The dimension also provides optimum usage of truck space.



JERRY CANS

Widely used for various industrial applications oil, chemicals, acids, auxiliary chemicals, solvents adhesives, pharma formulations etc. Jerry cans are easy to handle, ll and unload. tLeak proof design adds value to your packaging needs.

Features

Excellent finish

UV-resistant

High strength

Leak Proof

Hi/Low pH

Technical Speciafication

Product Name	120 Liters JERRY CAN	
Product Weight	900 to 1000 Grams	
Dimensions		
Height	378	MM
Width	263.9	MM
Lenght	286	MM
Neck Height	22.8	MM
Neck Inner Dia	45	MM
Drop Test	1	Meter

Usage

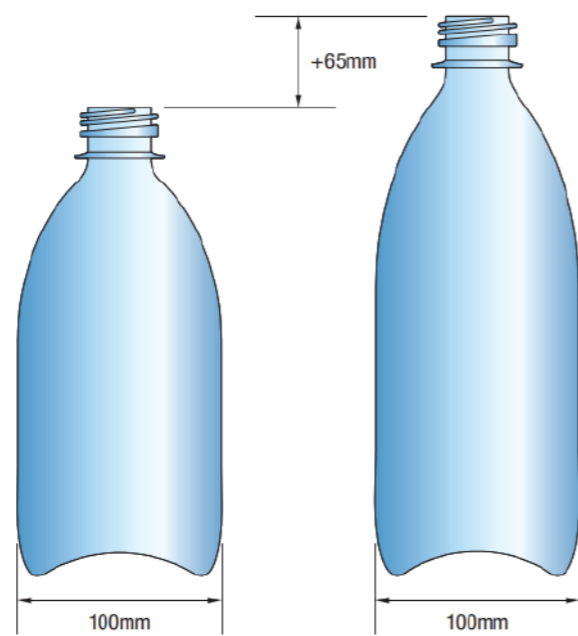
- Lube Oil/Additives
- Specialty Chemaicals
- Construction Chemicals
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- Paints & Inks
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PET SECTION

Polyethylene terephthalate (also written as poly ethylene terephthalate), commonly abbreviated as PET, is the most common thermoplastic polymer resin of the polyester family and is used in fibers for clothing, containers for liquids and foods, thermoforming for manufacturing, and in combination with glass fiber for engineering resins.

PET Bottles have become highly popular packaging for many kind of liquid products such as soft drinks, drinking water, cooking oils and mainly (Pharma Application) due to its strength, light weight, excellent dye-ability and satisfactory resistance to almost all organic solvents.

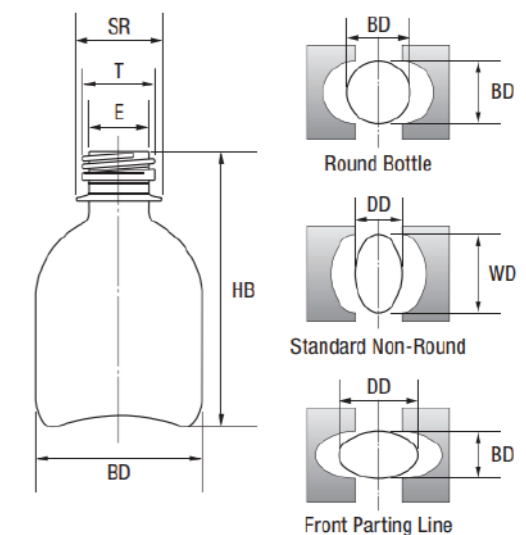




Using the standard injection screw & PET resin
 Using optional IV-10L injection unit & PET resin
 subject to container specification, number of cavities
 actual driving power consumption is typically 20-25%
 actual heating power consumption is typically 30-40%

The clear, strong, lightweight plastic used for pharma bottles is known as polyethylene terephthalate (PET); it's the same plastic used for bottled water, soft drinks, and other consumable liquids. The plastic must be non-toxic, non-carcinogenic, biocompatible, and in no way detrimental in the biological environment. PET has been approved for food and beverage contact by the FDA, Health Canada, and the European Food Safety Authority. PET packaging is actually part of the drug development process when it's tested for leaching and extractability.

the maximum diameter a round container can fit into.
 WD/DD data is applicable to non-round containers where
 HB \leq 200mm for standard machine and
 HB \leq 265mm for optional extended daylight machine



ABS-12M MOLDS

The 28 ROPP PET bottle is an industry standard neck finish. This 28 ROPP neck makes it possible to supply many different closures like the dispensing caps, screw cap and or aluminium caps who are especially made for our KA2823 PET bottles. We also have many different Finger Sprayers, Pumps and Trigger Sprayers for the 240ml PET bottle



#NO	WEIGHT	CAPACITY
KA2811	11.6mg	90ml
KA2822	21mg	450ml
KA2823	21mg	240ml
KA2810	7.6mg	30ml
KA2824	16mg	120ml
KA2812	13.5mg	120ml

ABS-12M MOLDS

The 240ml PET bottle KA2823 as well as all the other sizes in the 28 ROPP PET bottles are used in a wide range for products in different markets like: body cream, hair care, cosmetics, personal care and food & beverage. The Packaging specifications all are different for different products and markets, Frapak Packaging offers the widest range of PET bottles ranging from 10ml up to 1000ml all in different weight and with different neck sizes.

Features

Excellent finish

Light in weight

High strength

Freezer Safe

Leak Proof

Advantages of single-stage PET bottles

- Better top-load bearing capacity.
- With single stage machines PET bottle have dimensional accuracy ensuring consistent fill.
- No possibilities of scratch marks since no separate handling of Performers.
- Single-stage bottles have a better shines as the manufacturing process is integrated.
- Neck diameters accuracy is fully maintained, eliminating problems of capping & leakage.
- Uniform Wall thickness and scratch free bottles.
- PET Bottles are Non-toxic and Eco-friendly.

ABS-70DPW V4 MOLDS

The 28 ROPP PET bottle is an industry standard neck finish. This 28 ROPP neck makes it possible to supply many different closures like the dispensing caps, screw cap and or aluminium caps who are especially made for our KA2823 PET bottles. We also have many different Finger Sprayers, Pumps and Trigger Sprayers for the 240ml PET bottle



ABS-DPW V4 MOLDS

The 240ml PET bottle KA2823 as well as all the other sizes in the 28 ROPP PET bottles are used in a wide range for products in different markets like: body cream, hair care, cosmetics, personal care and food & beverage. The Packaging specifications all are different for different products and markets, Frapak Packaging offers the widest range of PET bottles ranging from 10ml up to 1000ml all in different weight and with different neck sizes.

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- Uniform Wall thickness and scratch free bottles.
- PET Bottles are Non-toxic and Eco-friendly.

#NO	WEIGHT	CAPACITY
K66209	10.5mg	60ml
K6620901	9.5mg	60ml
K66210	13.5mg	120ml
K6621001	12.5mg	120ml
K66211	15.5mg	120ml



CAPS SECTION

We offer a wide range of additional services especially for the pharmaceutical industry to ensure your product is delivered in accordance with your specifications. You save time and money avoiding extra work steps in your own company. The demands placed on the closure must equally provide content material protection, accident prevention and environmental protection. Careful and thorough planning is imperative to ensure that every potential weak spot has been considered and eliminated during the conceptualization stage, resulting in high performance, top quality and cost efficient products. Even in the case of critical filling material, such as hazardous goods, our certified quality standards guarantee safe and secure filling, transport, storage and usage

INJECTION CAPS

Closures with Raw materials and sealers certified according to USP Class VI Notable partner companies for steam, gamma ray and ethylene oxide sterilization Naturally.



We start by selecting the suitable raw materials in compliance with all necessary certifications and continue with our sterility and particle absence guarantee.

