Adding Values Are Our Standards.









Alpha Group Founded In 1980 By Late Sh. Kanhaiyalalji Agarwal.

Alpha group has established itself as one of the largest processors of polymers in India with successful track record of over two decades in manufacturing area. The group is totally committed to provide customers with quality products, prompt services, innovation and cost effective solutions.

The group activities include manufacturing of PET bottles & Preforms.

Presently the company is manufacturing over 10000 MT per year with 8 million bottles per day and increasing every year... in various sizes, design and weight.

Alpha one of the India's largest single stage pet bottles manufacturer having the Worlds best technology machines from ASB Nissei, Japan, Husky Germany and Krauss-Maffei.

The bottles are being manufactured and packed under strict pharma norms such as class 10,000. The company is certified with ISO 9001-2008. & FSSC 22000

ALPHA introduced PET Preforms in 2008 by installing Krauss-Maffei Machine - 48 cavity and then added Husky "HY-PET" Machine with 48 cavity . Presently having 48 cavity pet preform machines to produce over 5 Million PET Preforms each day.

Alpha employees over 300 professionally skilled incumbents and are mostly engaged in the manufacturing process, committed to produce quality goods valued by the customers.

Mission

To develop packaging solution in preforms, bottles and jars for industry cost effectively starting from Dairy to Pharma Industry. Following the environment and social norms in place with a healthy and friendly work atmosphere for employees working in factory and administration.

Alpha always believed employees as a family and hence grow together with the Company.

Director's note

Our customers are success partners.

We believe in providing our customers the best possible products at the most competitive prices so we have opted single stage machines which has been proven technology worldwide as the only machines which can manufacture quality products consistently.

We as a family of Alpha Pharma Daman are committed in innovation and production to most cost effectively so our customers are benefitted.

Jugal K Agarwal (Managing Director)

The Production Process

Our production process is based on a PET Injection Stretch Blow Moulding (ISBM). Bottles and jars are made in a single stage process (4 stages)

Quality Assurance

Our whole company is focused on quality. We are always striving to make improvements and provide intensive training to our employees with regard to quality awareness. We have incorporated our quality focus in a certified quality system in accordance with ISO 9001: 2008, FSSC 22000:2011 & PAS 223

Finished products are specification-tested during production on a random basis; this occurs both during production as well as in the testing laboratory. We make a distinction between two types of inspection: visual and dimensional. During the production process, our operators and quality inspectors regularly check whether the product has the proper shape, the walls are evenly distributed and no irregularities are present. Consistency in colour is moniterd.



Dimensional Inspection

We also measure properties which are not visible to the naked eye. Once a day, we carry out a check with an automatic measuring system. The system measures the product height and diameter, the exact wall Thickness, verticality (i.e. perpendicularity), the weight, the volume and the top load (vertical strength). Following on from the process and product registration checks, each pallet with finished product is formally released by our Quality Control department. Tests conducted in house Lab using AA Analyser, Moisture Analyser, MEGNA Mike 8500, Transparency test, Profile Projector, Colour Matching / UV Tester to assure

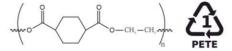
Clean Room Facility

Alpha has a clean room especially for the pharmaceutical industry CLASS 10,000. This is a separate packing area where strict and where only specially trained staff are permitted to work.

The air characteristics in the clean room are continuously measured and recorded. The pharmaceutical market is characterized by quality guarantees and process validation, which Alpha considers extremely important. In addition, the products are also packaged within this class 10000 clean room, so that there is no contact with the outside world at any time whatsoever.







The Material

PET is an abbreviation for polyethylene terephthalate, which is a particular kind of polyester. PET is a material that can be easily heated and formed into packaging for many different applications. The use of PET for packaging has almost no disadvantages, and many advantages that include:

- unbreakable
- clear and transparent
- lightweight
- good barrier properties (oxygen, water vapour, odours, carbon dioxide, UV, temperature), which can potentially be further improved by the use of food grade additives
- o extremely accurate dimensions
- o wide range of colours and shapes
- o extensive decorative possibilities (sleeves, labels, printing, spraying)

The barrier properties of PET produced by means of the ISBM (Injection Stretch Blow Moulding) process are generally superior to those of other materials.



Properties	LDPE	HDPE	PP	PET	PETG	
Density	0.92	0.96	0.91	1.36	1.27	2.23
Gas trsnsmission O2	118	73	53	1.7	9	0
Gas trsnsmission CO2	1063	228	154	12	41	0
Gas transmission H ₂ O	3.3	0.8	0.8	4.7	11.4	0
Hot fill temp	104	121	127	60	71	N/A
Clarity	P	Р	Р	Е	F	Е
Drop impact	F/G	F/G	F	Е	F	P
Chemical resistance	F/G	F/G	F/G	E	F	Е
Process	I/E	I/E	I/E	S	Е	N/A
Recycle Code	4	2	5	1	1	N/A

Density g/Cm3

Gas transmission O₂ Cm₃ mm/m₂ 24h atm Gas transmission CO₂ Cm₃ mm/m₃ 24h atm

Reading of unit: The amount of gas (in cm3) that

Passes during 24 hours through a barrier of 1 mm thickness over a total surface of 1m2 and at a pressure difference of 1 atm (approx 1 bar) The lower the readings the more resistant the plastic is

to letting gasses through.

Convert to Cm mil/in 24h atm by dividing the value

by 0.393701 g. Mm/m2 24h

Gas transmission

H2 O-vapour Reading of unit: The amount of moisture vapour (in

grams) that passes during 24 hours through a barrier of 1mm thickness over a total surface of 1m2 The lower the readings the more resistant the

plastic is to letting gasses through.

Convert to fg mil/in 24hj by dividing the value

Hot fill temperature

by 0.393701 °C

Pet's Environment Advantage 🚓

Among packaging materials, PET excels when it comes to sustainability. It can be completely recycled, it is light, compact and almost unbreakable. When you take into account the weight, the consumption of energy and the emission of CO2, it is much better then the next alternative. The contents of PET bottles and jars are protected in a sustainable way to achieve the desired shelf life. The environment benefits as a result.

SUSTAINABLE MATERIAL: Among the wide range of packaging materials, PET stands out in the area of sustainability.

The Advantages

- PET can be completely recycled.
- PET is really light, resulting in an end product that is relatively lighter than with other types of packaging, like for instance glass. This cuts transport costs, and what is more important, less fuel is used in transport and the CO2 emission is lower.
- PET often turns out just a little bit smaller. A wine bottle with contents of 750 ml made of PET, is usually a fraction smaller than a comparable glass bottle. As a result, more product will fit into a transport unit. Shelf space can be used more efficiently. This results in lower costs and less environmental damage.
- PET is a packaging material that increases the shelf life of the contents thanks to its outstanding barrier characteristics, and thus reduces waste. Organic products packed in this plastic last longer; this is also true for cosmetics made from natural materials, herbs and spices. PET forms a sufficient barrier against temperature and UV light, and oxygen scarcely penetrates. These effects may be enhanced with the aid of additives. Using PET reduces wastage and saves the environment as a result.
- PET is less breakable than other materials. What is more, PET deriving from the Injection Stress Blow Moulding (ISBM) process is virtually unbreakable. This characteristic reduces risk in all phases. Production lines (almost) never need to stand idle to be cleaned, as is often the case with other materials. Little can go wrong in transporting and shelf-packing in shops, or equally at home in the kitchen or the bathroom. In sum, PET is a material that is safe to use.

PET is more economical with energy compared to glass and aluminum. Not only because of weight savings during transport, but also with the production of the material and the final packaging.





Pharmaceutical

All of Alpha Pharma Daman (APD) pharmaceutical bottles meet the highest quality standards, are cost-effective in their manufacturing process, and comply with strict international regulatory standards.

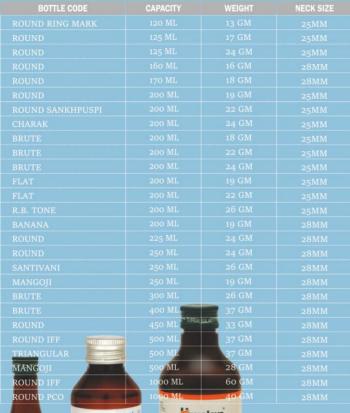
We pride ourselves in our wealth of knowledge and experience that allow us to ensure that our customers are best placed in their markets. We welcome you to contact us and join our many satisfied customers

Alpha's excellent pharmaceutical packaging supply service delivers:

- High quality pharmaceutical bottles
- Manufacturing excellence the pharmaceutical bottles are manufactured in a clean room environment and under GMP. AP
 maintains all required testing records and certificates to deliver highest level of quality. APD Obtains ISO & FSSC Certification.
- Technical expertise from the Pharma team who are able to offer advice on all your pharmaceutical packaging needs. Additionally
 APD provide technical support in the development and production of your packaging.
- Reliable delivery with efficient APD production programming that comply with customer scheduled of delivery programmer makes it works possible and hens keep our inventory level accordingly.
- Responsive Service Alpha communicates clearly and quickly on samples, product information, prices and stock levels.
- Packaging We do provider Customised and most economical and safe packaging

BOTTLE CODE	CAPACITY		NECK SIZE
ROUND			
ROUND			
ROUND RING MARK			
ROUND INDOCO			
ROUND INDOCO			
ROUND MACLODE			
ROUND INDOCO			
ROUND		13 GM	25MM
ROUND RAPTACOSE	120 ML	13 GM	25MM







Levipil





Choice Of Hundreds Of Models

The number of model variations is endless. The fact that a range of hundreds of different bottles for shampoo and shower gel are circulating in India is clear evidence.

Two Main Advantages

Cosmetics in particular reveal the core advantages of PET over other packaging materials.

- Risk of breakage is minimuml. This is a blessing in the production process, and also in the customer's factory. The consumer also benefits: how often doesn't a bottle drop accidentally during use in the home?
- Less weight. This cuts transport costs and energy consumption, which in turn fits excellently into the aim of Corporate Social Responsibility (CSR).

At Alpha, customers have come to the right place to develop their own unique product, for example by means of a special form or a unique colour with pearl or matt effects, generating a unique product personality. It could be a jar or bottle showing the Alpha on it or in the base. Consultation on this is possible, even desired.

Alpha operates on the basis of a large standard range of bottles and jars, so that the customer is able to put together a varying range of packaging.

A Range of Solutions

The packaging range currently runs from small bottles containing 10 ml of liquid to jars with a content of 500 ml (0.5 liters)with neck sizes 15mm, 16mm, 18mm, 20mm, 22mm, 24mm, 25mm, 28mm, 53mm. This broad spectrum has provided Alpha with a rich store of experience in the cosmetics packaging sector.

By way of explanation. Small bottles are often used for example in aromatherapy, while large jars are for industrial hand soap. In addition, many creative solutions are conceivable for shampoo, shower gel, bath salts, hand creams, conditioners, body creams, hand gel, massage oil, scrubs, liquid hand soap and so on. Manufacturers are able to select solutions used in the past, or take on a new challenge in collaboration with the Alpha design team.

In Brief

In our view in the cosmetics sector, basic packaging is only complete with the lid and the decoration. Variation in one or more of the components allows for new forms that lend a products its own recognisable character.

Packaging a brand is the final phase in the development. The appearance and content of a cosmetics product then form a balanced whole. Alpha prefers to collaborate during the entire process and in the end shares in the customer's justified pride.

BOTTLE CODE	CAPACITY	WEIGHT	NECK SIZE
COSMETICS	10 ML	5.6 GM	15MM
SNS	18 ML	5.6 GM	15MM
VEOLA	25 ML	5.6 GM	15MM
ROMANCE	25 ML	5.6 GM	15MM
PARIS PERFUME	30 ML	5.6 GM	15MM
SUPER VASMOL	50 ML	10 GM	22MM
TULIP	50 ML	9 GM	20MM
HS	50 ML	9 GM	20MM
VEOLA	50 ML	9 GM	20MM
BHOLA	50 ML	9 GM	20MM
NATURE OIL	50 ML	9 GM	20MM
PIONEER	50 ML	9 GM	20MM
BABY OIL	50 ML	9 GM	20MM
SNS	50 ML	13 GM	15MM
MOUNT VALLY	50 ML	11 GM	20MM
JAR	50 ML	9 GM	53MM
OVAL	72 ML	11.5 GM	18MM
SQUARE	75 ML	9.5 GM	20MM
BEER SHAMPOO	75 ML	11 GM	16MM
HS	85 ML	9 GM	20MM
SUPER VASMOL	100 ML	14 GM	22MM
TULOP	100 ML	13.5 GM	20MM
VEOLA	100 ML	13.5 GM	20MM
BADAMI	100 ML	13.5 GM	20MM
CANTHRADINE	100 ML	17 GM	25MM
NATURE OIL	100 ML	13.5 GM	20MM
PIONEER	100 ML	13.5 GM	20MM
BABY OILB	100 ML	13.5 GM	20MM
ABY SHAMPOO	100 ML	16 GM	25MM
SNS	100 ML	15 GM	25MM
SUTHOL	100 ML	15 GM	25MM
HELENE JAR	100 ML	11 GM	53MM
ROUND COSMETICS	120 ML	13.5 GM	20MM
OVAL	141 ML	15 GM	18MM

BOTTLE CODE	CAPACITY	WEIGHT	NECK SIZE
PARIS PERFUME	150 ML	22 GM	18MM
OVAL	192 ML	23 GM	24MM
VEOLA	200 ML	26 GM	24MM
OVAL	200 ML	18 GM	25MM
BADAMI	200 ML	26 GM	24MM
BHOLA	200 ML	26 GM	24MM
MARICO	200 ML	26 GM	24MM
VANITY CASE	200 ML	19 GM	25MM
HIMRATNA	200 ML	26 GM	24MM
HIMALAYA	200 ML	26 GM	24MM
OVAL RING	200 ML	18 GM	25MM
ALMOND	200 ML	33 GM	24MM
ESKINOL	225 ML	26 GM	24MM
DIAMOND HERTZ	250 ML	29 GM	24MM
MIST HERTZ	250 ML	29 GM	24MM
ANCHOR MOUTH WASH	250 ML	33 GM	28MM
JASMINE	300 ML	26 GM	24MM
VEOLA	300 ML	26 GM	24MM
OVAL	300 ML	26 GM	24MM
MARICO	300 ML	31 GM	24MM
ALMOND	300 ML	33 GM	24MM
VASA	300 ML	24 GM	25MM
CANTHRADINE	400 ML	37 GM	28MM
VEOLA	500 ML	40 GM	28MM



Dairy & Juices

Thanks to its outstanding process ability, excellent organoleptic properties, and optimised balance between rigidity and impact strength.

All milk sold in retail outlets has to be heat-treated to eliminate microorganisms and so extend its shelf life. Based on the type and duration of this heat treatment and the resulting shelf life, milk can be split into three groups. Each heat treatment requires its own packaging Each milk type has its specific packaging requirements. The shelf life of pasteurised milk being intrinsically very limited, this type of milk requires no particular protection from the effects of light, moreover as its always stored in the refrigerator.



Light weighted & user friendly PET bottles

Pasteurised	> 71.7°C for 15-25 seconds	4 to 7 days at <8°C
UHT (Ultra-High Temperature)	> 135°C for 4-20 seconds	6 months at ambient temperature
Sterilised	113-130°C for 10-30 minutes	9 months at ambient temperature

This protection is guaranteed by packaging with a barrier layer to visible rays and UVs. Sterilised milk also has specific packaging needs since its packaging has to withstand harsh heat treatment. HDPE, just one material for all three milk types to fulfil the specific packaging requirements of each milk type, several packaging solutions are available, from glass bottle, to carton, PET bottle, dairy flexible pouch, etc. However, the HDPE bottle is the only packaging type that can be used for all three milk types. As HDPE milk bottles also lend themselves to a full range and allows maximum flexibility on printing, sleeve, colour, shape [including handle], they are clearly the most "flexible" rigid milk packaging around.

As the process of Hotfill where temperatures range from 60 to 90 degrees and later a cooling and shrinkage process Polypropylene & HDPE containers and the most suitable packaging.

HDPE & Polypropylene containers and bottles and used for pasteurised product packing. Alpha expertise in designing bottles and offer various options in filling capacity, weight and neck size.

Beer & Wine

Beer PET bottles are dominated by plastic packing arena. Beer is quite sensitive to oxygen and Light.

The oxygen sensitivity has been addressed by developments in coinjection moulding combined with many barrier material and oxygen scavenger options as well as other external and internal barrier coating options. Light protection is available pigments, combined with UV absorbing polymers or additives. These presumably involve the newer heat-resistant low naphthalate PET copolymers and heat- setting techniques. Alpha engineers are continuously researching to get better product and developed PET bottles in 180ml, 375ml & 750ml in neck size 25mm & 30mm.





Alpha Delivers Attractive Bottle Cosmetic Industry.

APD bottles are designed and are suited for packaging of agro chemicals. Agro / Pesticides / Insecticides contents like Monocrotophos, Dichlorvos, Acephate, Hexaconazole, Glyph sate, Imidaclorpidetc are generally packed in HDPE / PET bottles subject to suitability & feasibility of the product. Some of its silent properties are like

• Reliable • Lightweight • Leak-proof nature • Longer service life

APD offer PET bottles in a variety of sizes and colors with tamper proof closures. PET bottles have been used for packing chemicals, pesticides, agro chemicals and other liquids that are normally reactant to other packing materials.

APD offer the wide array of PET Pesticide Bottles in a variety of colors sizes, specifications, shapes and designs.

Few bottle details are mentioned as under

Bottle Code	Capacity	Weight	Neck Size
AGRO LONG	100 ML	19 GM	46 MM
AGRO SHORT	100 ML	19 GM	46 MM
AGROSHORT	100 ML	14.5 GM	25 MM
AGRO LONG	100 ML	14.5 GM	25 MM
AGRO	250 ML	27 GM	46 MM
AGRO SHORT	250 ML	24 GM	25 MM
AGRO LONG	250 ML	24 GM	25 MM
AGRO	500 ML	35 GM	46 MM
AGRO SHORT	1000 ML	65 GM	46 MM
AGRO SHORT	1000 ML	55 GM	46 MM
AGRO LONG	1000 ML	65 GM	46 MM
AGRO LONG	1000 ML	55 GM	46 MM

Alpha preforms are made on Husky/KM injection moulding machines have multifarious advantages and our customers are very well benefit from these advantages using our preforms produced on these machines.

- Preforms made on state-of-art Husky machines.
- Uniform preform wall thickness
- Uniform preform weight
- High gloss and clarity



High quality preforms PET

Resigns are sourced from reputed sellers those are approved by CoCo Cola to produce high quality PET preforms.

Alpha preforms can be made in different colours like blue, green, amber etc apart from the standard clear preforms. Our preforms are suited for various applications like Mineral water, Carbonated Soft drinks, Juices and Oils. Management System as ISO 9001: 2008 FSSC 22000:2011 & PAS 223 FROM TUV INDIA PVT LTD.

Compliance with SGP (Suppliers Guidance Principals)&GFSI (Global Food Safety Initiative)

The preforms are made under stringent quality control conditions. This gives our customers trouble free production with near zero rejections which saves valuable time as well as reduces their production costs. Our fully equipped laboratory ensures that all products meet or exceed international quality standards.

Tests conducted in house Lab using AA Analyser, Moisture Analyser, MEGNA Mike 8500, Transparency test, Profile Projector, Colour Matching / UV Tester to assure

- Accurate Thread Finish, for better Closure Fitting.
- Uniform Wall Thickness and excellent Surface Finish.
- Light Split Lines on Preforms for Better Finish on Bottles.
- No human interfaces till Preforms are packed making it highly hygienic.
- High accuracy & consistency of Preforms produced from Husky Preform system.
- Tighter tolerances of weight & wall thickness Preforms, helps to achieve bottler/packer to run his filling line at higher speed without producing wastage.
- Eco-friendliness as machine has the lowest carbon foot-print in line.
- Un-interrupted power supply & reliability of Husky m/c & Mold ensures least wastages.

- Please contact us for your requirements.



MAKE IN INDIA



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