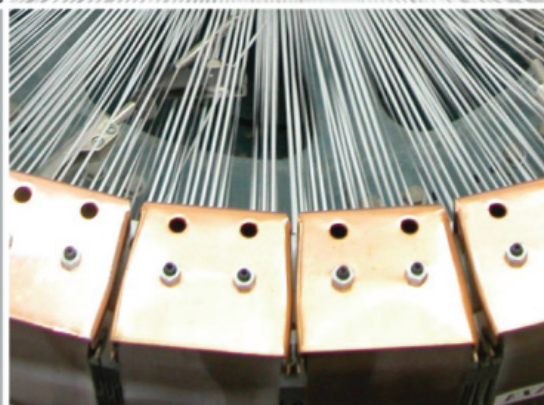
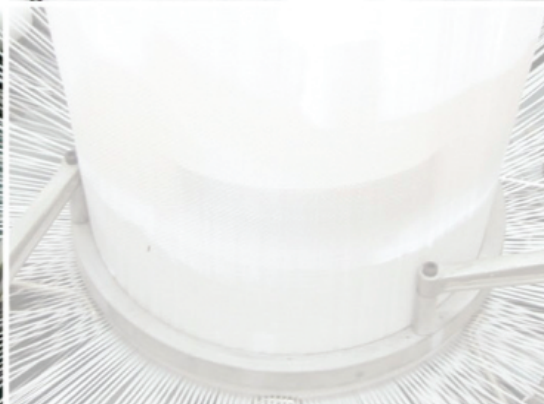
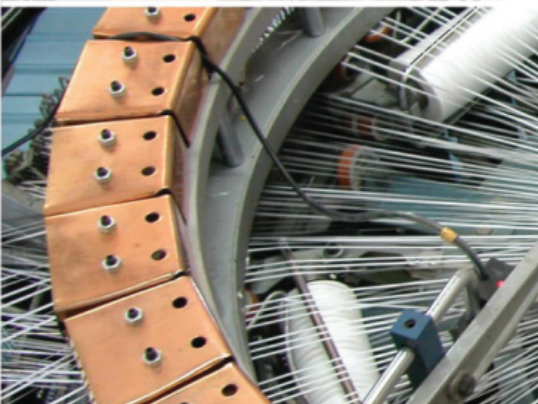


The light way to pack it right

MAAN POLYPACKS (P) LIMITED







Sir/Madam

We are very glad to introduce ourselves as a manufacturer of PP/HDPE BAGS, FABRICS & JUMBO/LENOBAGS with latest techniques available in the country. Our products are widely used by different sectors of industry for packaging of Cements, Fertilizers, Pesticides, Dry Chemicals (Caustic Soda, Soda Ash), Salt, Cotton etc.. Apart from this our product is also used in packaging of rice, pulses, wheat, dry fruits, sugar etc. This unit is a part of MAANHERUKA GROUP, a renowned group headed by professional management team who have earned reputation in other different fields and into manufacturing of other varied products like Sponge Iron, Mild Steel Billet, Mustard Oil. Mustard cake etc. The unit is located at N.H. 6, Bombay Road, Jalan Complex, Howrah, West Bengal, INDIA. The locational advantage is there as it helps to deliver our product in any part of India and abroad. The unit is designed with vast land, modern shed & versatile equipments. Our unit is equipped with LOHIA STARLINGER'S most modern tape plant(lorefer- E105B. 1400 with extruder E105B. 30D) followed up by its looms (LS FSN4 and LSL 6M). The latest machineries give high yield with an edge to the quality of production . The unit is also equipped with the latest UPS, Lamination plant, high speed On-line printing machine and superior technical employees who give an error free production to earn high-level reputation. We have a production capacity of 600 metric tones (approx 60 lacs bags) per month. We confirm to the management system standard ISO 9001:2000 certified by DET NORSKE VERITAS (DNV) and accredited by UKAS quality management. The company is also certified by Directorate General of Supplies & Disposal (DGS&D)

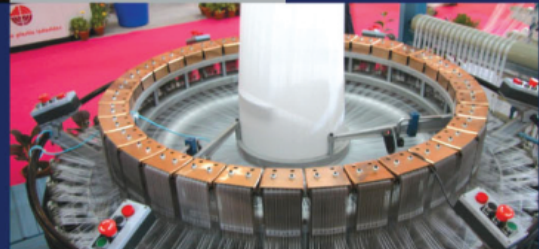
We hope that our small introduction will help you to know about our group and to know more about us you can visit our website www.mann.co.in. We manufacture the product as per our purchaser's specification We assure the best quality product as per the purchaser's requirement with committed delivery time. We look forward to a future full of promise, involving a long and fruitful relationship with discerning customers worldwide, by way of thorough understanding of customer needs, flawless product quality, timely delivery and a loyal and dedicated after sales service.

Thanking You
Yours Faithfully
For Maanheruka Group of Industries
Binod Kumar Agarwal
Managing Director

Our group details are here under:

Group Name : Maanheruka Group of Industries
Company Name : Maan Polypacks Pvt. Ltd.
Contact Person : Amit Agarwal (Diretor) +91-9903923007
Sandeep Agarwal (Director) +91-9903923009
Corporate Office : 58/1, Sarat Bose Road,
Kolkata- 7000 025, West Bengal, India
Telephone Number: 9903923030/31
Fax number : +91-33-24750051

Our History



India is a major producer of iron and steel and now manufactures about 25-26 million tonnes of steel per annum.

Over the last few years, there has been a great deal of change in the Indian economic scenario, which had an impact on the industry sector. Under the spell of liberalization, the Indian Steel industry has witnessed a rapid growth. From a protected economy, with an inefficient and a highly protected industrial sector, it has suddenly become a market driven and internationally competitive economy. Fortunes of this industry sector have started to look up from the late 1993, with the revival in demand and prices. Strong growth in enduser industries such as construction, infrastructure, automobiles and white goods has been booster for this upsurge.

From time immemorial, man has strive to innovate various methods of carrying goods safely from one place to another, wherein, 'Packaging' has played a key role - with packaging of bulk materials throwing up the biggest challenge.

Through the years, several natural resources have been exploited and explored to fulfill the various bulk packaging demands - metal caskets, wooden crates, cardboard cartons, corrugated sheets, jute bags etc. all - taking a heavy toll on earth's natural resources. Finally, with the revolution in plastics, the Woven Poly sack was born, presenting an alternative. In India, MPPL Plastics, are giving the Woven Poly Sacks renewed strength - by way of world - class technology, state-of-the-art machinery, weaving techniques and store knowledge - driven service. MPPL Woven Poly Sacks are brought to you by India's Maanheruka Group of Companies - an established business concern involved in the production of sponge iron at its plant called Dhanbad Fuels Limited which has a production capacity of 45,000 tones per annum. The Group is also involved in the production of mild steel Ingots/Billets with an installed capacity of 57,600 MTA, under the name of Maan Concast (P) Ltd. which is certified by BIS & ISI. The Group's continuing progress and achievements are spearheaded by the focused vision and enterprise of Mr. B. K. Agarwal, a man of wide experience and expertise in the business of iron and steel. His efforts are further propelled by the Company's young and dynamic team of Directors - skill, grit and endeavor is taking the group places. In their pursuit of newer challenges, the group has also diversified into the manufacturing of mustard oils and mustard cakes in the name of Maan Oil Mills Pvt. Ltd. The group expanded in Plastic Line by bringing up a new unit for manufacturing of Polypropylene bags in Howrah with an annual capacity of 6000 MT.



DET NORSKE VERITAS

MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 11110-2007-AQ-IND-UKAS

This is to certify that

DHANBAD FUELS LTD. (PLASTIC DIVISION)

at

Factory: Jalan Complex, Junglepur, Bombay Road, N.H.6, Howrah - 711 411, INDIA
H.O.: 13, Elgin Road, Kolkata - 700 020, INDIA

has been found to conform to the Management System Standard:

ISO 9001:2000

This Certificate is valid for the following product or service ranges:

MANUFACTURING OF HDPE/PP WOVEN FABRIC AND SACKS

Initial Certification date:
2007-12-13

Place and date:
Chennai, 2007-12-15

This Certificate is valid until:
2010-12-13

for the Accredited Unit:
DNV CERTIFICATION B.V.,
THE NETHERLANDS

The audit has been performed under the supervision of:



Prasenjit Majumder
Lead Auditor


Krishnakumar N.R.
Management Representative

Lack of fulfilment of conditions as set out in the Appendix may render this Certificate invalid

Get an edge with Advantage

In view of today's fast evolving world of trade, where profitability is related to safe and cost - effective packaging, MPPL Woven Poly Sacks provide complete assurance of quality and reliability - combining outstanding physical, chemical, mechanical, thermal and electrical properties - that are not found in other thermoplastic material.

MPPL Woven Poly Sacks are made to match virtually any and every kind of packaging requirement. On one hand they can pack in bulk amount of fertilizers / pesticides, heavy chemicals like caustic soda, soda ash, petrochemicals, cement, cotton, etc. On the other hand, the sacks are also favourably suited to the packaging and transportation of bulk volumes of food grains including rice, pulses, wheat, dry fruits, sugar, salt etc.

We design and develop innovative range of packaging products like PP Woven Bags, Polypropylene Woven Sacks for diverse industries. Our passion to achieve excellence in all the spheres of the business has consistently fueled our growth in the competitive international market.

However, our core competence lies in the following factors :

- Professional Work Environment
- Stringent Quality Control
- Product Customisation As Per The Client's Requirement
- Advanced manufacturing Units
- Skilled Work Force
- Latest Automatic and Semi Automatic Machines
- Well Equipped Testing Laboratory
- Team Of Experienced Polymer Engineers
- Capacity To Meet Bulk Requirements Within The Least Lead Time
- On Timely Delivery
- Competitive Pricing

Made from world - class polymer
Superior strength at lower thickness
Lightweight
Resistant to staining
Resistant to organic solvent,
Degreasing agents & electrolytic attack
Low temperature absorption rate
Suitable for a variety of products
Cost - effective
Fully recyclable
Eco - friendly substitute for the
natural fibre, jute

There is a lot more that customers can expect from MPPL Poly sacks. The PP - HDPE film, the basic raw material for the HDPE bag, has an average strength ranging from 6 micron to 100 micron. However, at MPPL, the film can be further processed, and given a final dimension and shape as per the specific requirement of customer. More value addition can be given by way of printing product features over the film.

The plant is strategically located near the city of Kolkata, on the National Highway 6 of West Bengal, India - ensuring smooth and speedy transit of bulk order supplies to the Port, Railway Station, as well as, the Airport. The plant itself is encompassed in refreshing greenery, underlining the Group's core philosophy in setting up the plant - to save Nature and its resources.

Speareheading Logistic



Customization has been our major forte since the inception of the company. We utilize latest machines that provide great flexibility in the production process. We can offer cost-effective packaging solution designed to meet the industry specific needs of the clients. We offer these bags in different forms and finishes such as PE lining, laminated, unlaminated and BOPP woven bags which are especially used for the packaging needs of food grains, sugar, flour, animal feed etc. Our polypropylene fabric can be produced exactly to the required tubular length for special application in manufacturing of bags, covers, tent, sheds and more.

Customization - PP Woven Bags | Sacks

We custom design and develop packaging solution on the following parameters

- Weave
- Material
- Draw string or zipper
- PE lining
- Printing & Logo on both sides
- Lamination
(Option for unlaminated also available)
- Length
- Capacity
- Weight
- Gauge
- Stitch and sew
- Seal
- Gusset
- Handle
- Bottom
- Grade (Food grade)

Customization - Woven Fabrics

We can customize fabric on the following parameters

- Single or double fold
- Multiple layer lamination
(Option for unlaminated also available)
- Weave & Mesh



Impeccable Quality Management and Production Process

A walk through the MPPL Plastic Division is an encounter with the latest in technology. The plant is equipped with the most advanced machinery from world renowned LOHIA Starlinger Limited. The manufacturing process is further supported by round - the - clock vigilance and supervision by trained technical personnel at MPPL Plastic, who maintain an in - depth knowledge of the customer needs.

The high-speed, electronically controlled machines meet the highest performance and quality requirements with maximum efficiency and flexibility, with minimum raw material and energy.

The entire system ensures uniform tape quality over the entire operating width of the tape stretching line, which finally helps in producing poly sacks of flawless quality

The making of the HDPE tapes :

- Hopper loader
- Extruder
- Water bath
- Slitter
- Holding Unit
- Tape Extraction Unit
- Hot Air Oven
- Stretching & Annealing Unit



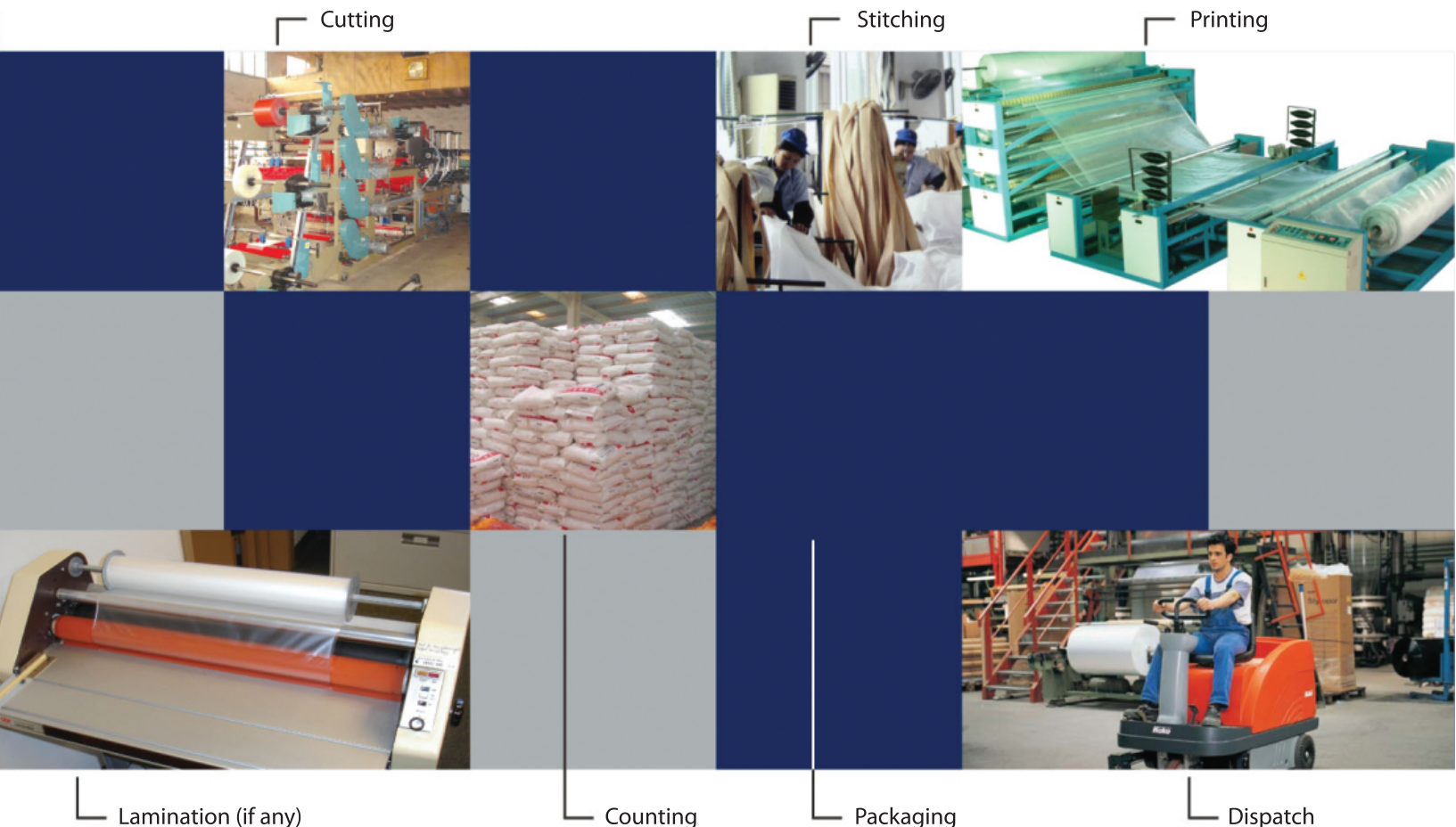
PP-HDPE Bags

With a new vision and a determined thought, we have successfully moved one step ahead and have become members of the [Indian Plastic Federation and Federation of Indian Export Organisation](#). Apart from establishing overseas in the competitive Indian market, we need to broaden our Professional horizon in global market for which we need an organisation like FIEO to provide us the platform. We do believe in ourselves and are always focused in maintaining mental professional relation. The quality of HDPE/PP fabrics depends on the checking of the Denier as well as strength of the tape. The lamination of the HDP/PP fabrics depends on the correct uniform flow of virgin LDPE as well as PP Granules on the fabrics.

The process of preparing fabric from granules is as follows :

Granules Film Tape Fabric

After obtaining the fabrics, either it is treated as the final product or it is send to Bag section to be processed into bags. In Bag section it goes under the following steps stated as below :



There are three major raw material component needed for production of quality PP type i.e. Virgin Rajjia grade Granules, some percentage of filler with colour Master Batches for colour tapes. These raw material are mixed properly by hand and after that transferred to hopper loader of Tape plant by the help of suction pipe.

After various process, this film is been divided into pieces of 2.5 MM (width) with blades and been tested in our quality control room.

In Quality control room, we check the Tape by Dial Gauge Caliper, tape elongation and tape strength by Tensile tester machine & tape denier by weighing the tape in weighing machine. All these testing helps us in proper quality production of the tape. All the checking are properly recorded in tape testing report.

After production of the tape, these are transferred in loom section for production of PP Fabrics. As per the denier of the tape and as per the requirement of the fabric, fabric is produced from 14 inches to 50 inches in tubular from any weight required by the buyer. For proper and quality production of the fabrics, quality persons are regularly checking the fabric width, mesh, weight and strength of each loom so that no complain arises in the fabric.

Many a times after production of PP fabrics, these are sold in local market to different kind of traders. But out of 100%, 80% of the fabric is been transformed to bag in our finishing department size and after cutting, these are stitched manually properly by stitching machine installed in the said premises. After stitching, the bags are been printed in flexo printing machine or On-line printing machine as per the design provided by the buyer in 3 colour or 4 colour.

After proper inspection of the printed bags, these are packed in a bale of 500 pcs or 1000 pcs according to the weight of the bag.



Quality at Maanheruka is a result of sincere efforts, intelligent direction and skillful execution of the entire process. We follow well defined quality management system right from the procurement of the raw material till the final dispatch of the products. The selected material used for the production is treated with the UV stabilizers to resist damage caused by ultra-violet rays. All the stage of production are strictly supervised by experienced quality control professionals, who ensure flawless execution of the task.

Backed by high-tech machines, our production unit leads to consistent innovation and improvisation. We use latest sewing machines that guarantees safety and long-lasting stitch. The indelible ink is used to achieve better printing quality and clarity. The final batch of product is approved for delivery only after uncompromising fault-finding and inexorable testing and inspection.

Our comprehensive testing facilities include the following :

- Electronic Weighing Machine
- Tensile Strength Testing Machine - KMI / Disha
- Denier Testing Machine
- Gauge Meter
- GSM Tester
- MFI Testing Machine
- UV Tester

Quality does not alone defines the attribute of our products but services too. We assure our clients prompt services and timely delivery of products in any corner of the world.

Cutting-edge Product Range (Product)

PP FABRICS & BAGS

Our polypropylene woven fabric (PP Woven Fabric) provide strong, dependable and economical packaging option for diverse industries across the globe. These fabrics are light in weight and ideally suited for packaging.

The PP woven fabrics can also be used to cover aircrafts, trucks, tempos, trailer truck, railway wagon, industrial outside storage, machine and agriculture products at farms. Available in roll form, our range of fabrics can be easily loaded on any cutting and stitching machines.

Technical Specifications :

UV stabilized : 200 to 1600 hours

Mesh weaves : Custom made

Lamination : 15" - 33"

Open width : Upto 104 inches

Tubular fabric : Upto 14 inches/52 inches

Color : As per the requirements of the client



PP GUSSETED BAGS

PP woven laminated gusseted bags can stand vertically due to its unique construction. They have sides and balloon out to hold the product with hard flat base. These gusseted bags are ideal for the storage of various agri products and food grains. In addition to storage of the products, the gusseted bags have the biggest advantage of optimum space utilization.

Salient Features :

Infolded side for easier loading of material

Flexible and high strength

UV stabilized

Made from food grade material

Printing option on gusseted portion.

Technical Specifications :

UV Protection : 200 to 1600 hours

Denier (thickness of woven polypropylene strands) : 400 & above

Width : 15" - 33"

Length : As specified by the customer

Colors : As specified by the customer

Capacity : As specified by the customer



Printing : Up to 4 colors on one or both sides with corona treatment / manual printing

Lamination : 15" - 33"

Application :

The PP woven gusseted bags are used for storage of fine granules like -
Food Products : Flour, Corn, Grain, Sugar, Salt, Animal Feed
Chemicals & Fertilizers : Carbon, Caustic Soda, Potash, Phosphates
Petro Chemicals : Polymers, Granules, PVC Compound, Master Batches

LINER LDPE

We offer high quality Low-density polyethylene (LDPE) liner that find extensive application in different industries. These liners are used to cover the vessel in order to store or ship wet or dry chemicals, slurries, paste or food products. Liners are generally made with a form fitting round bottom. Our range of LDPE liners can be used with metal, fiber, wood etc.

Technical Parameters :

Can withstand temperature upto 3000 F

Meets FDA requirements

High tear resistance

Cost-effective

Round fitting bottoms

PRODUCT SPECIFIC STANDARD CHART									
Product	Capacity	Bags Dimension in CM (I.D. Tolerance +/-1 Cm)	Liner Wt	Bag Wt.	Final Bag Wt. Tolerance E+/-4%	Valve		Valve Size (In Mm) Tolerance E+/-10	Bag Material
PP Cement Bag	50 Kgs	18.25 X 41	N/A	70 Gm	70 Gm	Open	105 X 220	White	Unlaminated Polypr- Oplene
PP Fertiliser Bag	50 Kgs	56 X 89	30 Gm	100 Gm	130 Gm	Na	Na	White	Unlaminated Polypr- Oplene
PP Sugar Bag	50 Kgs	61 X 91.5	45 Gm	95 Gm	140 Gm	Na	Na	White	Unlaminated Polypr- Oplene Unprinted Bag
PP Sugar Bag	50 Kgs	61 X 86.3	N/A	52 Gm	52 Gm	Na	Na	White	Unlaminated Polypr- Oplene

LENO BAGS

Leno Bags are mainly used for packing of fresh vegetables like potato, onion and mainly used in agriculture sector. The quality of the bag is developed with the client's requirement without any compromise. The bags are specially designed to keep the vegetables fresh for a longer period of time.

PRODUCT SPECIFICATION												
Model	Capacity	Bags Dimension In Cm (I.D. Tolerance +/- Cm)	Liner Wt. (If Applicable)	Bag Wt.	Final Bag Wt. Tolerance E+/-4%	Value	Value Size (In Mm) Tolerance E +/- 10	Bag Colour	Bag Material	Resistance	Security Factor	Protection UV
Leno	50 Kgs Potato	100 X 55	Na	54	54	Na	Na	Red	Un P.P.	Denier 485		

BOXED BAGS

We offer boxed bags and woven box bags in both laminated and un-laminated variety that can efficiently bear heavy weight. These bags are generally used for packing fibres, for covering boxes and cartons. The boxed bags can be offered with PP/LDPE lamination inside or outside and can be used for packing urea and cement. Our box bags can be customized in different specifications of dimensional measurements, material composition and printing options as required by the client.

Salient Features :

High strength

Protects product from dirt & dust

PP/LDPE lamination inside or outside

Technical Specifications :

UV Protection : 200 to 1600 hours

Denier (thickness of woven polypropylene strands) : 400 & above

Width : 15" - 33"

Length : As specified by the customer

Colors : As specified by the customer

Capacity : As specified by the customer

Printing : Up to 4 colors on one or both sides with corona treatment / manual printing

Lamination : 15" - 33"



Application :

The major application of boxes bags are as follows :

Packaging of urea and cement

Packaging of products like spices, pulses, dates, agro products and other consumer products. (laminated with BOPP)

Packing sugar / fertilizers, food grains, cattle feed, cement polymers (Lined with LDPE / LLDPE / HM / HDPE)

PERFORATED BAGS

The perforated bags are suitable for packaging of fresh baked food and vegetables. These bags have air holes that allow the product to breathe, enhancing the shelf life to the products. Our perforated bags are made from biodegradable cast polypropylene films that are flexible and strong. Perforated bags can also be used for packaging of material which are hot while Packing such as cement.

Salient Features :

High clarity

Micro perforation that keeps produce fresh

Made from food grade polypropylene

Cost-effective

Better moisture retention properties

Technical Specifications :

UV Protection : 200 to 1600 hours

Denier (thickness of woven polypropylene strands) : 400 & above

Width : 15" - 33"

Length : As specified by the customer

Colors : As specified by the customer

Capacity : As specified by the customer

Printing : Up to 4 colors on one or both sides with corona treatment / manual printing

Lamination : 15" - 33"



Application :

A perforated bag find major application in food processing industries for packaging :

Snacks

Bread & bakery

Dried foods

Frozen foods

Confectionery

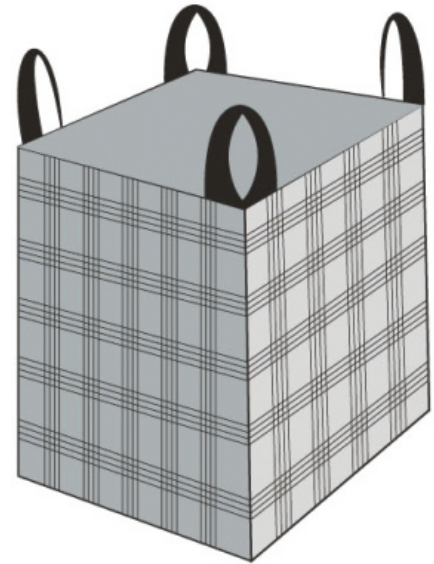
Rice and other food grains

VENTILATED BAGS

The jumbo bags are widely used for bulk storage, transportation and handling of wide variety of material. These bags are typically constructed from woven polypropylene (PP) fabric in the form of cubic bags. The fabric used may be a single layer, with extra loose liner or laminated. Our range of regular jumbo bags are available in coated and uncoated variety, with inner PE liner, barrier liner, etc.

Technical Specifications :

- UV Protection : 200 to 1600 hours
- Denier (thickness of woven polypropylene strands) : 400 & above
- Width : 22" - 71"
- Length : As specified by the customer
- Colors : As specified by the customer
- Capacity : As specified by the customer
- Printing : Up to 4 colors on one or both sides with corona treatment / manual printing
- Lamination : 22" - 71"



JUMBO BAGS

From 500 kg to 1500 kg single use / multiple use

Quality Assurance :

MPPL (Plastic Division) takes pride in its product quality for the following :

- To produce the Fabrics / Bags as per customer specification and timely delivery.
- Latest Plant & Machinery for uniform fabrics as well as lamination coatings.
- Well-trained technical staff to check the error free production at every stage with the help of sophisticated lab equipment.



Model	Capacity KG	Bags Dimensions CM	Charge Valve	Dimensions Charge Valve	Bag color
Circular	1800	95 x 95 x 125	Sleve	40 cm Lay Flat De Diametro 80 cm De De Largo	White

Bag Material	Resistance	Discharge Value	Dimensions Discharge Value	Security Factor	Protection	No. of Lift Bands	Dimension of Lift Bands	Material of Lift Bands
Polypropylene	6.5 oz/yd2	Sleve	35 cm De Diameter, 45 cm Long	5:1	1200 hrs.	4	2" Width, 34 cm Long	Polypropylene

Unique product for **Global Usage**



Today, the global plastic packaging market comprises of packaging for food and beverages accounting for nearly 70% of all polymers processed, while the rest 30% is required to fulfill the bulk packaging needs of products like chemicals and fertilizers, cosmetics and toiletries as well as medical/pharmaceutical products.

However, while the USA and Germany used to be the biggest markets for plastic packaging industry, now, they have almost reached to level of saturation and there has been a paradigm shift in the market dynamics. Today, focus is mainly on the emerging markets like East European nations, North America, S. Africa and other developing economies including India.

With rising demand of packaging products in the international market, we have sacks and woven sacks and woven fabric across the world. And being an expert oriented unit (EOU), more than 60% of Pranavi Polymers' total output is exported to countries like the United States, UAE, Canada, Britain, Germany and Australia. We are fast making inroads in emerging markets of East European nations, South Africa and other countries.

We custom design and develop packaging solutions as per the requirements of the clients in accordance with the existing international quality and safety guidelines. Based on the latest technology, our polypropylene packaging products find extensive application in diverse industries and are available in different forms such as laminated, unlaminated, lined, printed etc.



MPPL
PLASTICS

58/1, Sarat Bose Road
Kolkata 700025, India
Phone : +91 9903923030 / 31
Fax : 033 2475 0051
E-mail : info@maan.co.in
Website : www.maan.co.in

