KANPUR PLASTIPACK LTD

Providing Solutions for Industrial Bulk Packaging

5 Decades OF RELIABILITY | 22 YEARS OF FIBC manufacturing experience | 9+ MILLION FIBC PRODUCED IN 2022

Since 1971

Providing Solutions to Industrial Bulk Packaging

Think FIBCs
Think KPL

Table of Contents

KPL Overview 

FIBC 

CFG 

Fabric 

Plant & Machinery 

MFY 

UV 

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KPL- BRIEF OVERVIEW

- Turn Over – US$ 79.98 Million (2021-22)
- Employees – over 2000
- Established – 1972 (over 50 years ago)
- Legacy of three generations in business leadership.
- Exporting since 1987
- Publicly Listed on the Bombay Stock Exchange.
- Total Covered Area – 800,000 Square feet



- Adding New Fully Integrated unit spread over a lush area of a little under 10 hectare, built in 2018
- Operating from 4 locations in Kanpur

VISION

- We believe in increasing the value to our clients by exceeding customers' expectations and achieving market leadership through Global partnerships .



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MANUFACTURING UNITS



Unit 1

Registered Office/ Head OfficeExtrusion and Weaving
D-19 & 20, Panki Industrial Area, P.O. Udyog Nagar
Kanpur 208022, Uttar Pradesh, India



Unit 2

Finishing Unit-FIBCs & Big Bags, CFG Facility
A1-A2 Udyog Kunj, Panki Industrial Area, Site 5,
Kanpur, 208022, Uttar Pradesh, India



Unit 3

Extrusion and Weaving unit
Village Shyampur, Raipur,Gajner Road, Tehsil-Akbarpur,
Kanpur Dehat, 209121, Uttar Pradesh, India

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OUR GOAL

Make sure customer doesn't run out of bags.

For achieving this **"GOAL"** our protocol will be :-

- ✓ On time delivery in 100% cases
- ✓ Reduced lead time
- ✓ End user fully satisfied
- ✓ Higher quality
- ✓ No exceptions policy

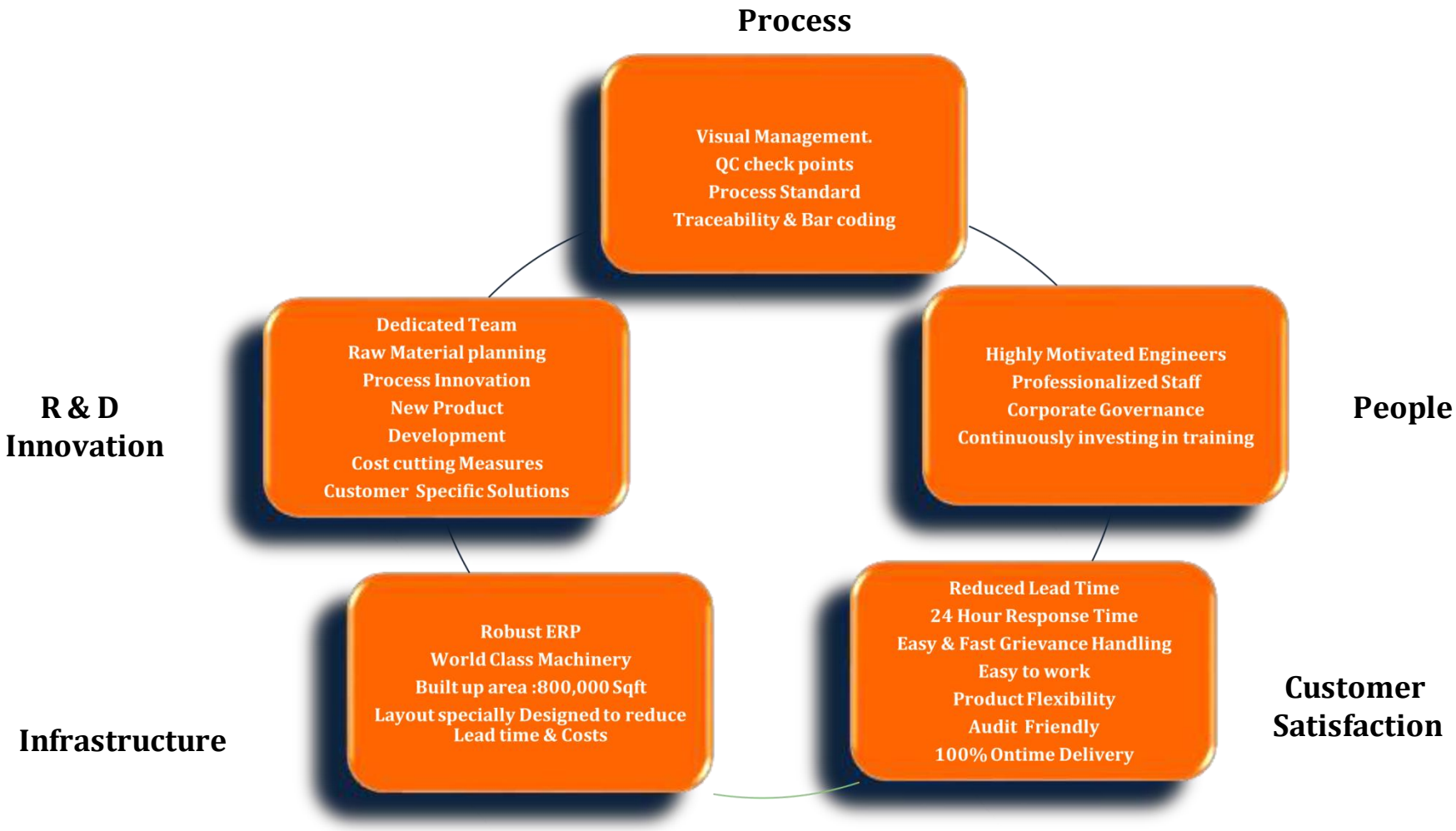




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INVESTING IN FUTURE



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HOW DO YOU CHOOSE YOUR SUPPLIER ?

How about thinking of :

- ✓ Quality Consistency
- ✓ Reliability of Delivery
- ✓ Technical Know-How
- ✓ Production Capacity for the BIG fish
- ✓ Cutting-edge Technology with lower tolerances
- ✓ Professional Management
- ✓ Proactive Customer Oriented Solutions
- ✓ After Sales Support on Customer Difficulties



We Bring in a Legacy of over 40 Years in Packaging & over 30 years of Exporting Plastic Packaging Products.

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GLOBAL COVERAGE

Global Coverage

- Covering 80% of the developed FIBC world market
- Covering 50% of the world land mass
- Exporting to over 40 countries annually
- Serving more than 50 customers worldwide
- Serving 12 customers for more than 10 years
  Contributing to more than 60% of our business volume
- Logistics Support with a team of 20 + members
- Round the clock support



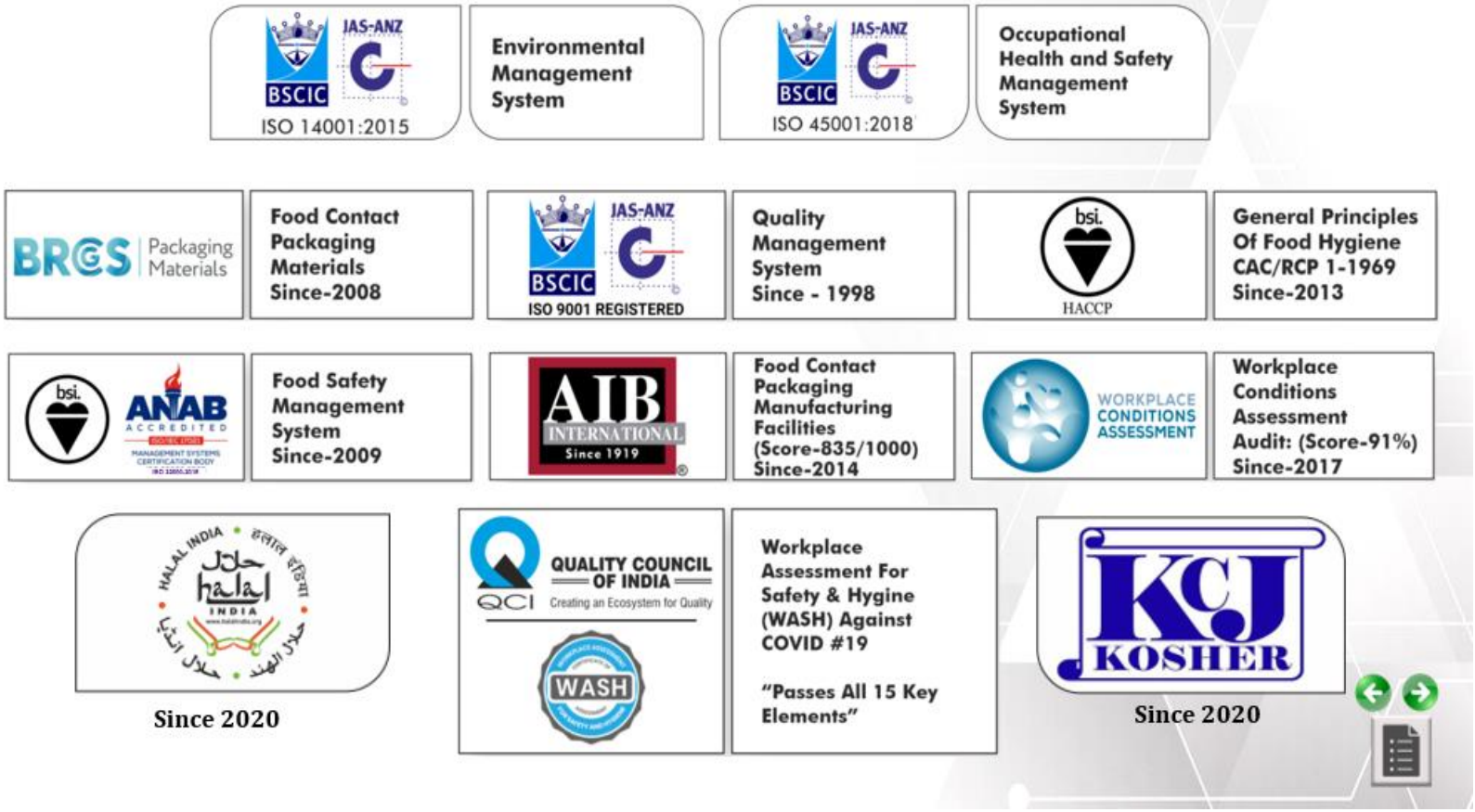
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QUALITY EXCELLENCE

"All migrations & certifications done, to stay ahead of time".

Our Updated List Of Certificates:



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BRCGS A+ CERTIFICATE



intertek
Total Quality. Assured.

CERTIFICATE OF REGISTRATION

Intertek Certification Ltd (UKAS 014) certifies that having conducted an audit **for the Scope of Activities:** Manufacturing (cutting, printing by flexo, stitching and packing) of flexible intermediate bulk containers (FIBC) by using PP fabric for food and non-food applications.

with the Exclusions from Scope: None

in the Product Categories: 07 - Print processes, 05 - Flexible plastics manufacture

at

Kanpur Plastipack Limited

BRCGS Site Code: 9864264

Site Address: A1-A2 (Unit : Udyog Kunj), Site V, Panki Industrial Area, Kanpur-208022, India

has achieved Grade: A+

and meets the Requirements set out in the

BRC GLOBAL STANDARD for PACKAGING MATERIALS ISSUE 6: AUGUST 2019

Audit Programme: Unannounced

Auditor Number:
20070
Certificate Number:
0041914
Dates of Audit:
27-28 Jun 2022
Certificate Issue Date:
15 Jul 2022
Re-audit Due Date:
(An.): 29 Jul 2023 to 26 Aug 2023
Certificate Expiry Date:
07 Oct 2023

intertek
UKAS PRODUCT CERTIFICATION 014

Calin Moldovean
President Business Assurance

Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 014.

- Achieved the **A+ level of BRCGS** Packaging Materials accreditation.
- **First in world** among the FIBC manufacturers.
- We're **committed** to upholding high standards into everything we do.

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WHAT ARE FIBCS?

❖Flexible Intermediate Bulk Container (FIBC), bulk bags, jumbo bags or simply big bags are large dimension standardized containers for storing, transporting, and handling dry, granular products and/or slurry material.

❖FIBCs are amongst the most economical bags and ideal types of packaging for shipping and storing dry bulk products.

❖They can be produced from either tubular or flat polypropylene (PP Woven fabrics.

❖These fabrics can be either coated or uncoated and vary in weights depending on the requirements of the Safe Working Load (SWL) or Safety Factor (SF).

❖FIBCs are filled and discharged, the finely ground product particles could cause a buildup of static electricity. Preventing an electrical surge is essential in handling the packaging of combustible materials.





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WHY CHOOSE FIBC BULK BAGS?

- Can carry up to 1000 times its own weight and can lift from 500-2000 kg
- Can be handled, transported and stored without pallets due to integrated lifting loops.
- Tailor-made and can be customized as per the manufacturing process.
- Minimizes the use of warehouse space as can be folded flat to take up a fraction of the space required for other industrial packages.
- Woven polypropylene properties (PP) allow easy product information printing on bags.
- Recyclable and simple to use
- Polypropylene bulk bags are cost-effective and Strong yet-flexible and offers a low unit cost.
- Supplied in a variety of dimensions and filling, discharging and lifting facilities.
- Can be used for hazardous chemicals as specified in the UN Chapter 6.5 Recommendations.
- Does not require further packaging.
- EFIBCA standards





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OUR PRODUCT RANGE-FIBC TYPE

- Regular Jumbo Bags (Type A)
- Anti-static Jumbo Bags (Type B)
- Conductive Jumbo Bags (Type C)
- UN Bags
- Certified Food Grade bags from Clean Room production & many more



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TYPE A

- Made with non-treated insulating fabric
- No Electro-static protection
- Used safely to transport non-flammable products,
- There are to be no flammable solvents or gases present around the bag
- Not intended for use in a potentially explosive atmosphere



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TYPE B

- Used to safely transport dry, flammable powders,
- There are to be no flammable solvents or gases present around the bag,
- DO NOT USE to transport flammable products.



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TYPE C

- Control electrostatic charges by grounding.
- MUST be electrically grounded during filling and emptying - this is essential for the safe use and performance of a Type C bag.
- Constructed from non-conductive polypropylene material
- Used safely to transport flammable powders,
- Used safely when flammable solvents or gases are present around the bag.



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UN BAGS

These bags are designed to handle products that the United Nations considers hazardous material.

International transport of dangerous goods in Bulk Bags is regulated by a number of international codes based on the United Nations Recommendations on the Transport of Dangerous Goods
(also known as the **Orange Book**).





UN BAGS

These bulk containers are divided into 6 categories namely: **Metal, Flexible, Rigid plastics, Composite, Fibre board** and **Wooden.**

There are four types of FIBCs made from woven polypropylene for dangerous goods:
1) 13 H 1 - Woven plastics without coating and without liner.
2) 13 H 2 - Woven plastics, coated and without liner.
3) 13 H 3 - Woven plastics, uncoated and with liner.
4) 13 H 4 - Woven plastics, coated and with liner.

UN Bags are also classified according to the Hazard level of goods they carry. Each UN Bag shall carry the UN-Symbol mentioned in the below table which shall imply the hazard level of the product.

DEGREE OF DANGER	PACKING GROUP	UNSYMBOL
High	I	X
Medium	II	Y
Low	III	Z



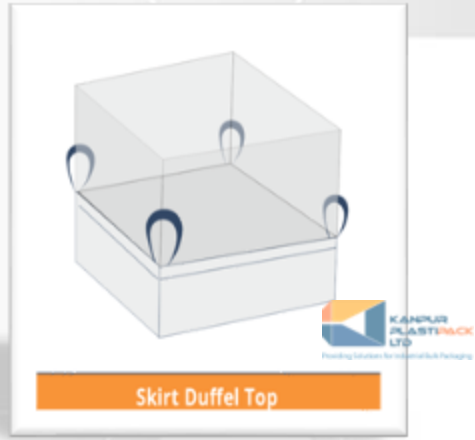
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DIFFERENT FILLING STYLES







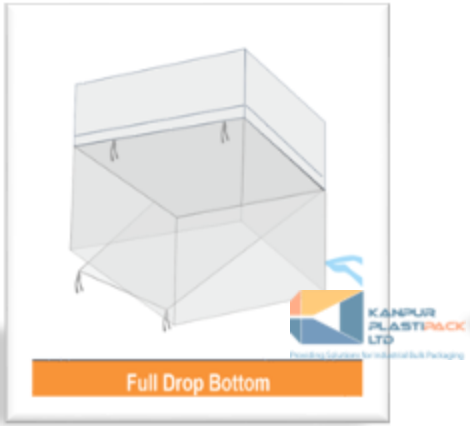


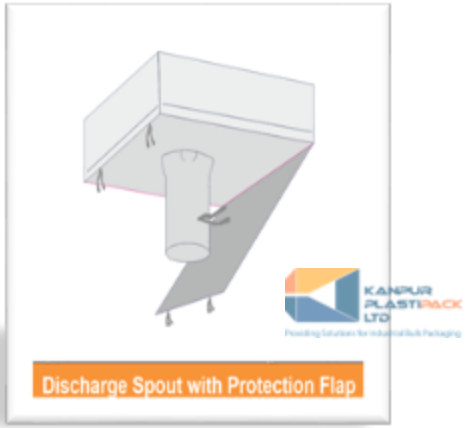


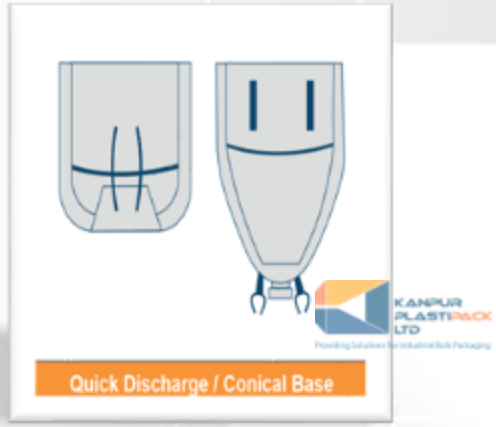
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DIFFERENT DISCHARGE STYLES











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DIFFERENT LIFTING LOOPS









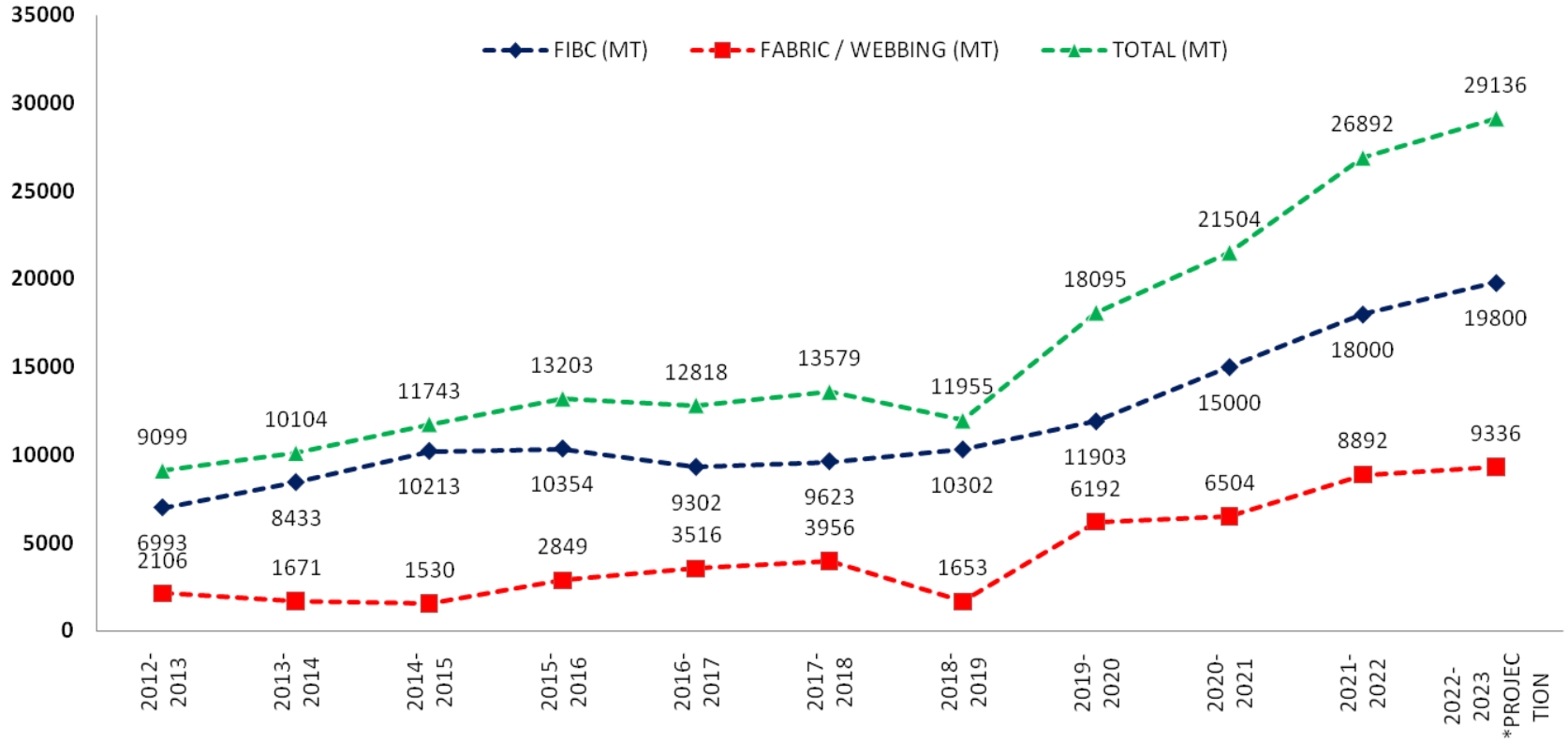






PRODUCTION CAPACITY

Increasing
FIBC Production every year



*Financial Year – April to March Considered

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SALIENT FEATURES OF FIBC



FIBC is as an Intermediate Bulk Container, having a body made of flexible fabric, which:

- Cannot be handled manually when filled.
- Is intended for shipment of solid material in powder, flake, or granules form.
- Does not require further packaging.
- Is designed to be lifted from the top by means of integral, permanently attached devices (lift loops or straps).
- It requires specialized handling by mechanized equipment like a fork lift or overhead crane for movement
- The concept of FIBC is not developed in the developing countries as yet, since that kind of infrastructure as well as handling equipment is not available, while it has excellent market in the developed countries



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FIBC PRODUCT ADVANTAGES

Use of FIBC has several advantages:

- Low cost and ease of material handling
- Easy filling and discharge
- Saving in Loading / Unloading time
- Low weight packing for transport
- Longer shelf life
- Good chemical and organic resistance
- Eco friendly, recyclable and low carbon footprint



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BENEFITS OF USING FIBC OVER SMALL BAGS/ IBC'S

❑ **Versatile -** Store and transport an extremely wide range of products that includes:

- ❖ Food Grade Products
- ❖ Agriculture
- ❖ Pharmaceuticals
- ❖ Flammable/ Combustible products
- ❖ Dairy, Meat & Poultry

❑ **Customizable**

- ❖ FIBCs can be delivered tailor made and can be customized as per the manufacturing process.

❑ **Easy to Transport**

- ❖ Loops and sleeves allow a mechanical lift to move and store your products and material with ease

❑ **Cost Reduction**

- ❖ Reduce Logistic cost
- ❖ Reduce Packaging cost
- ❖ Better Packaging
- ❖ Reusability
- ❖ Can hold from 500-2000 kg

❑ **Minimize the use of warehouse space**

- ❖ Unused bags can be folded into a compact form and stored.
- ❖ Thousands of bags can easily be stored in warehouse using minimal space.

❑ **Moisture Protection**

- ❖ FIBC bags can be accompanied by a polyethylene liner to keep it safe from moisture contamination.

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BENEFITS OF USING FIBC OVER SMALL BAGS/ IBC'S

❑ Pest Protection

❖ FIBC bags can be completely sealed to prevent pests from entering the bag. Also, polypropylene is very sturdy and hard for rodents to chew through

❑ Decrease in Loading/Unloading time

❖ Filling and Discharge spout can help to automate the packaging of the product and decrease the time it takes to prepare the product for shipment.



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FIBC PRODUCT APPLICATIONS

FIBCs are sold in a wide range of industries from milk powder to minerals and fertilizers to hazardous chemicals, They are used to pack a variety of material, primarily

- **Polymers**, such as PET and PVC
- **Petrochemicals**, such as DMT, PTA and Polyester chips
- **Chemicals**, such as Carbon Black, dyes & intermediates and fertilizers
- **Pharmaceuticals** & API's (Active Pharmaceutical Ingredient)
- **Minerals** such as Bentonite, alumina, ebonite, magnetite and mineral ores like nickel
- **Agro & Dairy products**, such as wheat, rice, starch, lactose, sugar, coffee, milk powder, etc.
- **Processed foods**, Fishmeal / Animal food
- **Oil cakes** (powder form), Detergents
- **Hazardous Chemicals**
- **Ferro Alloys** Cement, Clay, mica, lime, powdered metals, abrasive grit, ceramics and feldspar and aggregates.



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WE OFFER FIBC IN THREE SEGMENTS...





CFG BAG
(Certified Clean Food Grade)



FG BAG
(Clean Food Grade)



STANDARD BAG
(Standard Grade)

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WHAT WE DO ??
FOR CERTIFIED FOOD GRADE BAGS.

Operations		Activity
FIBC Manufactured in	Certified Food Grade Area	Special Zone, where these bags are made. Fully air conditioned finishing Unit
Fabric Cutting	Ultrasonic / Cold Cutting	Ultrasonic cutting of fabrics on Looms and Cutting machines
Fabric Fold & Belt Position	Outside	Fabric Folds outside to avoid inside contamination and any Chance of liner damage.
Stitching Thread	PP Fibrillated	Stitching through twisted PP Fibrillated yarn. No risk of loose filaments
Metal Detection	Yes	Each bag is Passed through a Metal detector for all ferrous and non ferrous risks.
Bag Cleaning	Yes	Two stage process . • Blow Air Cleaned for inside loose particles. • Vacuum Cleaned on outside surface area of bag.
Traceability	Yes	Full Traceability methods right down to stitcher and fabric Batch.
Packing	Shrink Wrapping	Packing through shrink wrapping to ensure no contamination or dirt touches the bags.

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WE OFFER FIBC IN THREE SEGMENTS...

Essential Good Practices		
Design	Internal	Technical Services Customized solutions
Training process	Internal Training. External Audits	On Going Training and audits to ensure Hygiene and sanitation.
Raw Material	Migration Tests certifications.	Approved raw materials and lubricants for direct food contact meeting food requirements.
Buffer Rooms		Man and material passes through a Buffer Area with Air Locks
Pest Control	External Services External Audited	Complete range of comprehensive Pest Control Services covering 3 Tier Rodent control, Fly , Lizard , spider and insects Management .

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FOOD GRADE FACILITY (CLEAN ROOM)









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FOOD GRADE FACILITY (CLEAN ROOM)





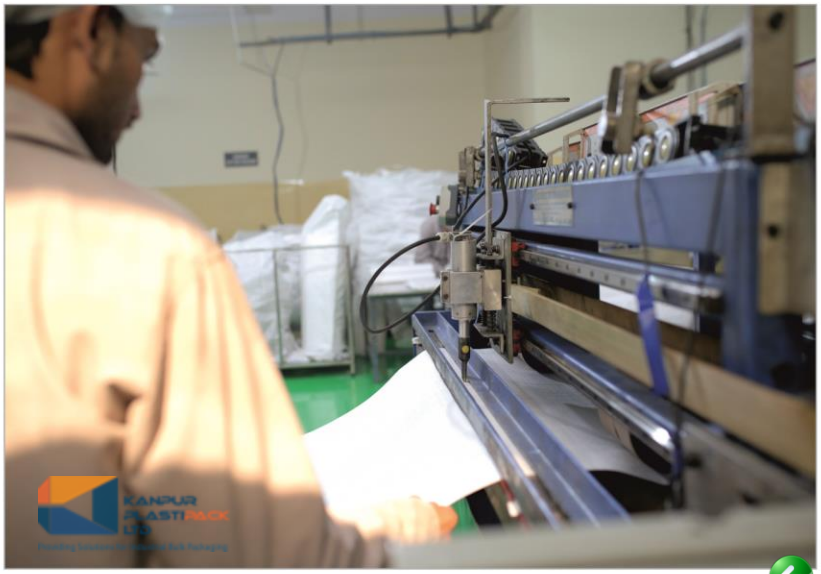


FABRIC CUTTING

❑ Fabric & Webbing Cutting

In this area fabric cutting is done **By ultrasonic cutter/ cold cutting.**





❑ Metal Detection





Particles	Sensitivity
Ferrous	2.0mm
Nonferrous	2.8mm
Stainless Steel	2.8mm

Vaccum Cleaning



Packing

Certified food grade FIBC packing is done by **Shrink Wrapping.**





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PRODUCT RANGE
OTHERS (IN HOUSE PRODUCTION)

- **Liners**
  - ✓ Tubular Liner
  - ✓ Pre Shaped Liners (bottle shaped)
  - ✓ Conductive Liner
  - ✓ Aluminum Liner
  - ✓ Suspended Liner
- **Webbing**
  - ✓ PP lifting loops
  - ✓ MFY (Soft) lifting loops
  - ✓ Monofilament (Stiff) loops
- **PP filler cord**
- **Net Baffle**
- **Stitching Yarn**
  - ✓ PP Multifilament Yarn
  - ✓ PP Yarn
- **UV Master batch**

Others (In house Production)







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NEW DEVELOPMENT

❑ Jute – look alike

- ✓Better quality product than Jute
- ✓Stable prices with 100% demand solution
- ✓Lighter than jute, easier to handle
- ✓Can be made in different sizes, GSM
- ✓Can be made in different colors.



❑ Garden Covers and Furniture covers

- ✓100% Weatherproof
- ✓UV Stable with 100% recyclability
- ✓Established in market
- ✓Good packaging for retail sales





❑ High performance FIBC

- ✓Fabric made out of Geo-fabric
- ✓Higher SWL and SF possible for safety applications

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NEW DEVELOPMENT

❑ Monofilament Webbing

- ✓Better Strength and Stiffness
- ✓Standing loops due to stiffness
- ✓Time saving at Fork lift during loading of bag
- ✓Less possibility of loop damage during handling



❑ PP Woven Felt

- ✓Better leak proofing than non-woven felt
- ✓Suitable for CFG bags
- ✓In-house Manufacturing
- ✓100% recyclable

❑ High performance FIBC

- ✓Fabric made out of Geo-fabric
- ✓Higher SWL and SF possible for safety applications



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PLANT & MACHINERY DETAILS

Extruder

- **TYPE -** BASED ON CAST FILM TECHNOLOGY
- **MAKE -** LOHIA CORP LTD / STARLINGER & CO.
- **NO. OF MACHINES -** 08 + Mono Filament Plant
- **TOTAL OUTPUT -** 2400 MT/Month



Circular looms

- **TYPE -** CIRCULAR WEAVING LOOMS
  - 6 shuttle Looms - 180
  - 8 Shuttle Looms - 46
  - 10 Shuttle Looms - 2
- **MAKE -** LOHIA CORP LTD, GCL, STARLINGER & CO.

Flat looms

- **TYPE -** FLAT LOOMS
- **MAKE -** SULZER WEBMEECHINE TYPE.PU.130.ES.120EPD1
- **NO. OF MACHINES -** 38

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PLANT & MACHINERY DETAILS

Extrusion coating plant

- **MAKE -** SUNDRAM LAMINATION/LAM G/J P LAM/OCEAN/BOND
- **NO. OF MACHINES -** 05
- **COATING RANGE :** 40CM TO 210CM

Heavy duty stitching machines

- **MAKE -** ARMSTRONG, JUKI, JAPAN AND ORSON.
- **NO. OF MACHINES - 475**

Printing facilities

- **TYPE & MAKE -** JUMBO PRINTING MACHINES – 03 NOS
- **NO. OF MACHINES -** TOTAL – 03
- **PRINTING UPTO 4 COLORS**
- **LABEL PRINTING & CUTTING MACHINE - 1 Set**



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PLANT & MACHINERY DETAILS

Bale press

- **TYPE -** HYDRAULIC
- **NO. OF MACHINES -11**

PE liners

- **MAKE -** AUTOMATIC BOTTLE NECK LINER MACHINE 'HASSANMAK MACHINERY CO., TURKEY' & Polymma
- **NO. OF MACHINES -04**
- **Multilayer Liner Plant-01**
- **Form fit Liner Machine-02**
- **Liner Cutting & sealing machine-01**

Filler Cord Machine & Tie cord Machine

- **MAKE -** SUSMATEX, Ravitex, Global, Fi Hong
- **FILLER CORD MACHINE- 30**
- **TIE CORD MACHINE - 2**
- **WEBBING NEEDLE LOOM - 36**
- **TIE STRING NEEDLE LOOM - 8**
- **MFY NEEDLE LOOM - 4**
- **BRAIDING CORD MACHINE -2**



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PLANT & MACHINERY DETAILS

MFY Plant

- **NO. OF MACHINES - 06,** including **SML Lines**
- **TOTAL OUT PUT - 750** MT/MONTH



Tape twisting machines

- **NO. OF MACHINES - 18,** including **Precision Winding TFO**

Other machine

- LINER GLUING MACHINES - 02
- ULTRASONIC CUTTING MACHINES - 02
- FIBC CLEANING MACHINES - 07
- PALLET / BALE SHRINK WRAP MACHINES - 02
- REEL STRETCH WRAPPING MACHINE FOR ROLL PACKING - 01
- NGR – NEXT GENERATION RECYCLING MACHINES, GMBH - 03
- METAL DETECTOR MACHINES - 03
- LASER CUTTING MACHINES - 02

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Providing Solutions for Industrial Bulk Packaging

5 Decades OF RELIABILITY | 22 YEARS OF FIBC manufacturing experience | 9+ MILLION FIBC PRODUCED IN 2022

QUALITY CONTROL / TESTING EQUIPMENTS

- Bursting strength
- Thickness gauge for films
- UV accelerated weathering tester with UV calibrator
- Conditioning chamber
- Hot air oven for heat shrinkage test for tape
- Melt flow index (MFI) tester
- Digital peel tester
- Dart impact resistance tester
- Computerized test rig
- Measuring device of electric derivation resistance for Testing Type – C ***"Conductive Bags".***
- Measuring device of breakdown voltage for Testing "**Antistatic Liner**".
- Muffel furnace



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SEWAGE TREATMENT PLANT

- KPL is a Zero Liquid Discharge (ZLD) factory that uses Sewage Treatment Plants to ensure efficient waste disposal.

- Treated water generated by STP is utilized for flushing purpose in toilets and gardening.

- The focus of ZLD is to economically reduce wastewater and produce clean water that is suitable for reuse, thus saving money and being beneficial to the Environment.

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COVERED AREA – 400000 SQ MTRS



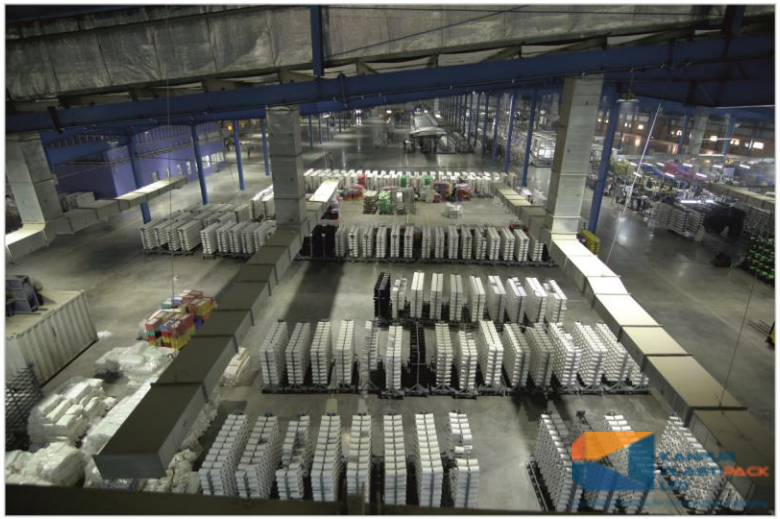
One of the Largest FIBC manufacturing plant in the world
Full Facility BRC Certified

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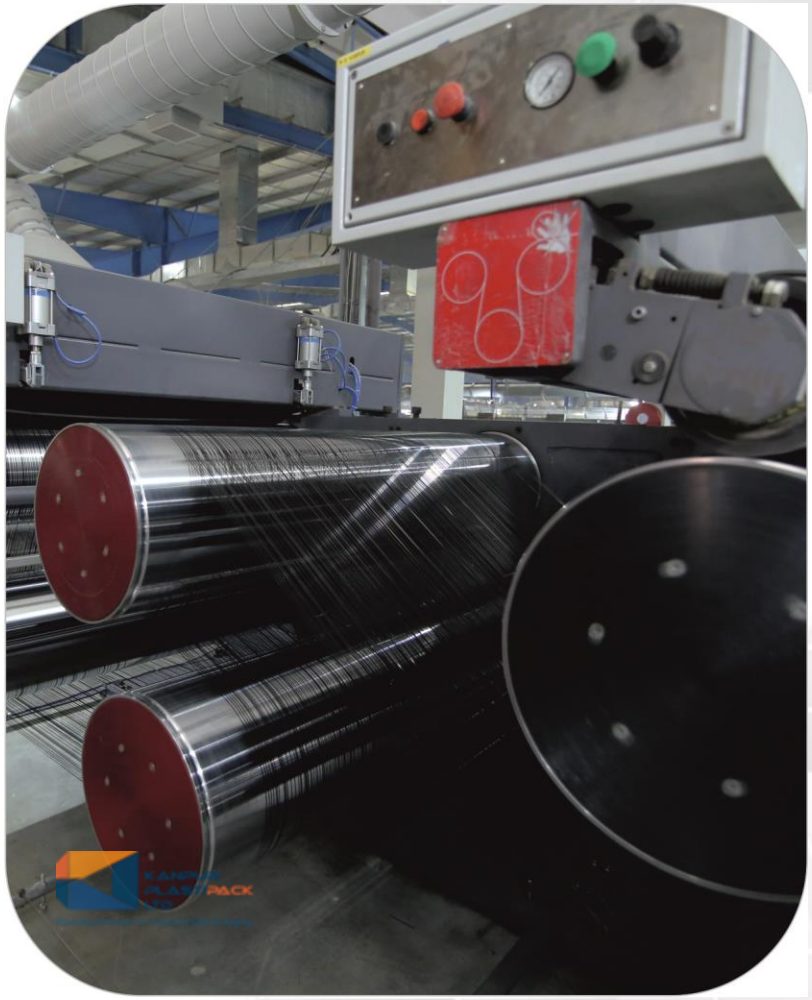
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NEW EXTRUDER



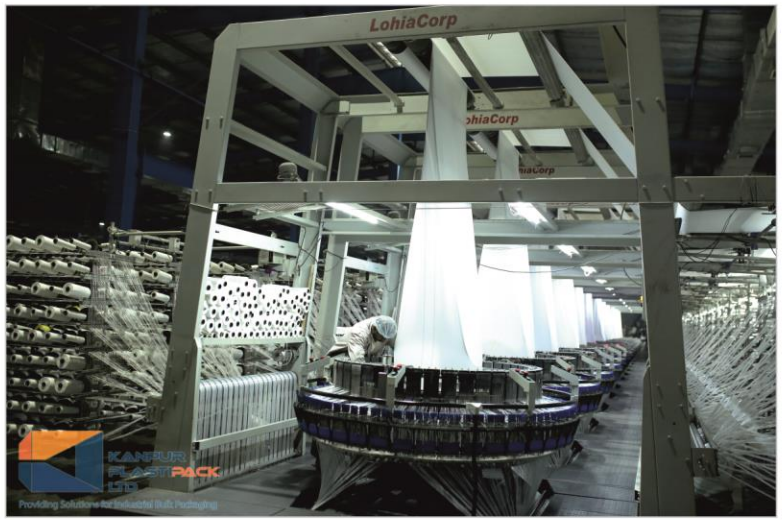


Advance Technology Extruder –Best Quality Tapes

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LINER EXTRUSION AND SEALING





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BOTTLE SHAPING





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NEW GENERATION STORAGE SYSTEM



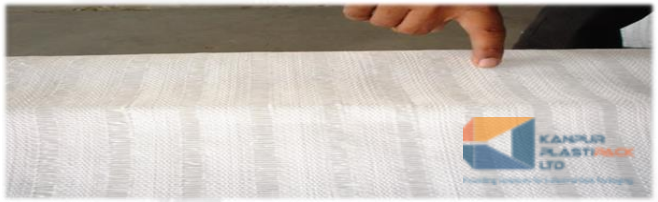


Broad category of FABRIC is available in KPL

- PP/PE Woven Fabric (Laminated and Unlaminated)
- Circular Fabric
- Sulzer Fabric
- Low GSM Fabric with Ultrasonic Cut
- Circular Fabric Laminated with BOPP tape.
- Horse Rug Fabric
- Ventilated fabric
  - ✓ With Inter Locking
  - ✓ Without Inter Locking



With interlocking



Without interlocking

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PP WOVEN FABRIC

Extrusion Capacity is around **3000 MT/Month.**



❖ **Tapeline- 5 no's**
- 3 with beta gauge
- 2 auto dye with beta gauge

(Helps to maintain denier variation of +/- 3 %)

❖ **Size:**
- ❖ We can make fabric **from 30 to 225 cm** tube with variation in width of +/- 1cm.

❖ **GSM:**
- ❖ **Raffia Fabric:** 50 to 250 GSM
- ❖ **Sulzer (Raffia):** 140 to 250 GSM
- ❖ **Sulzer (Multifilament):** 40 to 350 GSM

**variation of +/- 3%*



❖ **Lamination:**
- ❖ **Capacity:** 200 MT per month.
- ❖ **Min Width:** F 60 cm & Max width: 210 cm
- ❖ **Min Width:** T 30 cm & Max width: 210 cm (both side lamination).

TOTAL No. OF LOOMS:

TYPES OF LOOMS	MONTHLY PRODUCTION CAPACITY (MT)	FABRIC SIZE (GSM)	FABRIC (GSM)
Starlinger/Lohia Low GSM (6 Shuttle)	650	30 – 85 (tube)	37 – 110
Heavy GSM (6 Shuttle)	540	30 – 140 (tube)	50 – 240
8 Shuttle	670	140 - 160 (tube)	60 – 240
10 Shuttle	40	170 – 225 (tube)	60 – 240
Sulzer (Flat Loom)	100	65 – 360	140 – 250

MACHINERY



Starlinger



Lamination



Extrusion lamination



Shuttle loom

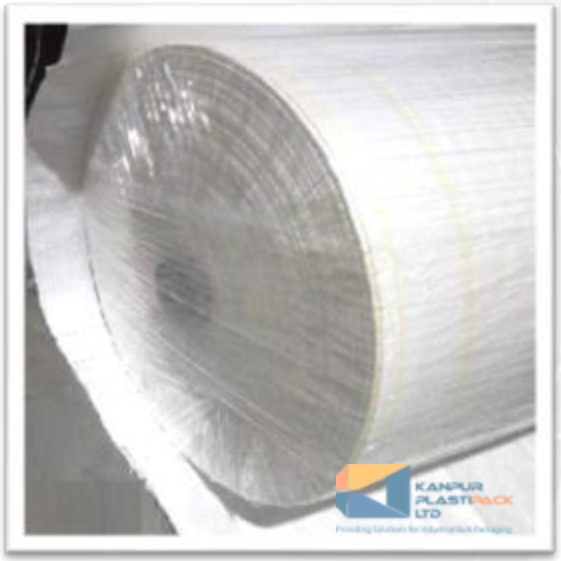
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ROLL PACKING

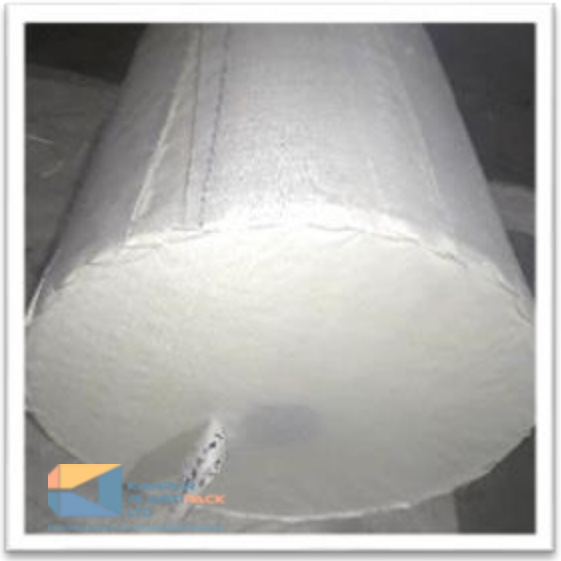
Fabric Roll Winding





Stretch Wrapping

PP Covering





Container Stuffing

*We would be able to stuff around 20-27 MT fabrics in one 40’ container depending on the specifications

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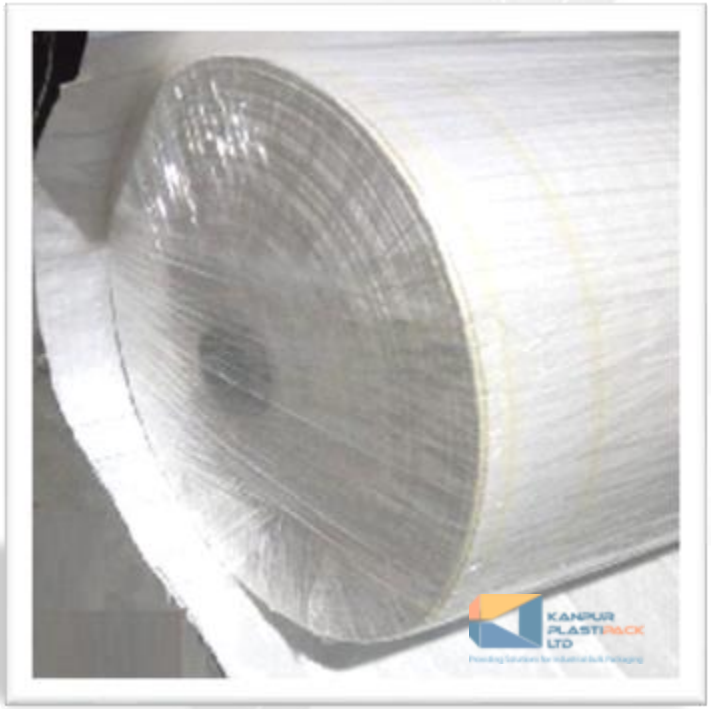
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FABRICS

We Export Fabric in two forms as below-



Component/Cut Form



Roll Form

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ALLIED PRODUCTS



Webbing



Filler Cord



B-Lock

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OUR MAIN MARKETS



Belgium UK USA Brazil Argentina Chile Mexico Paraguay Netherlands

Germany Italy Hungary Estonia Ukraine Spain Bangladesh France

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MULTIFILAMENT YARN

Multifilament Yarn is Produced through Extrusion Spinning – Fully Drawn Yarns of High Tenacity. They are extruded, cooled, stretched and wound on Winders directly after passing through an annealing zone.

- **QUALITY:** Manufactured from SML Austria extrusion line
- **CAPACITY:** More than 750 MT/Month
- **LEAD-TIME:** One week for all standard colors



APPLICATIONS:-

- FIBCs & PP Bags Stitching
- Narrow-Woven fabric (PP Webbings)
- Polypropylene Cloth- Filter Fabrics
- Geo Textile
- Horse & Camel Rug Fabric
- PP Taslan Yarn, Ropes and Braided Cord , Safety Nets
- Dog Leash , Halter Webbing , Shoe Lace
- Outdoor Covers
- Carpets



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MULTIFILAMENT YARN

SPECIFICATIONS:

- **DENIER RANGE** — 210 to 4000 D
  Flat, Twisted & Air Intermingled
  With UV & Without UV
- **COLORS** — Available in over 200 colors (color customization also available).
- **TENACITY** — 6.0 to 7.0 GPD
- **SPECIFIC GRAVITY** — Specific gravity of PP MFY is 0.91 which is lower than Nylon and Polyester. So under the same weight condition, one gets more length of PP MFY.
- **CLEANLINESS** — PP MFY has low moistening characteristics. So it is very easy to clean
- **CHEMICAL RESISTANCE** — It gives excellent resistance to Alkali & Acids

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MFY APPLICATIONS



FIBC Bag



Sewing Thread



Safety Belt



PP Woven Sacks



Taslan Yarn



Ropes & Braided Cord

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MFY APPLICATIONS



Outdoor Cover



Horse Rug



Safety Net



Skipping Rope



Halter Webbing



Shoe Laces



Dog Leash

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Product Introduction – UV Masterbatch



KANPLAS

UV-PRO

KPL INTRODUCING IN-HOUSE PRODUCTION OF UV MASTERBATCHES

- In-house production of UV Master-batches.
- 2% UV enhances products life & safety by 80%.
- KPL has been using UV for than 30 Years.
- Consistency , Reliability of UV Master batch

Quality

- Best quality process for high dispersion – High capacity Twin screw at low RPM
- German State of art loss - in - weight system to ensure equal dosage every sec with machine learning for continuous improvement

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- As it contributes only 2% to the final product but 80 % Contribution to the life & safety of the product.

- A 3% increase in UV pricing only Contributes to 0.06% of the final product value ensuring extended product life.



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TESTING

We help you to find solution to improve production and product quality. We have complete testing facility with physical lab & outsourced analytical lab.

Physical Lab

- QUV Weathering tester
- Thermogravimetric Analyzers
- Muffle Furnace
- Melt Flow Index Tester









In-House Analytical Lab

❑ Fourier Transform Infrared Spectrometre (FTIR)

FTIR is a spectroscopic technique based on the absorption of infrared photons that excite vibrations of molecular bonds. A spectrum of characteristic bands is produced that can be used as a fingerprint to help identify and characterize the sample.

❑ Thermo gravimetric Analyser (TGA)

TGA is used to investigate the thermal stability of polymers.

Outsource Analytical Lab

❑ Differential Scanning calorimeter (DSC

DSC is used to measure enthalpy changes due to changes in the physical and chemical properties of a material as a function of temperature or time.

Above tests insure consistent product quality and enable us for consistently continuous improvement in our process & products.

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ADDITIVE SUPPLIER

- Footprint across 50+ Countries, we have 30 yrs exposure of import & export.

- Due to financial Stability & high Volume Purchasing(s), we assure heightened control over Product cost, Quality & Consistency of UV additive.

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SOCIAL MEDIA PRESENCE

[LinkedIn]

[Website]

[Youtube]

[COVID-19 VIDEO]



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"We are what we repeatedly do.
Excellence, then, is not an act, but habit." - Aristotle

THANK YOU