



VIRGO
POLYMER
(INDIA) LTD

Think
BIG
Think
VIRGO



VIRGO

Your Expert Choice

in **FIBC**





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Our Story

Virgo Polymer India LTD is a global supplier of FIBC big bags. We are recognized by the government and has been accredited with “One Star Export House” certificate. An ISO 9001:2008 certified company, we are presently serving 10 countries in 4 continents across the globe.



Mission

To equip global companies with provisions to manage their packaging needs and become the leading producers of FIBC Jumbo Bags.

Need **FIBC**?

Wish **VIRGO**



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■ How Virgo Polymer India Ltd. is catering to FIBC?

Having taken precedence in the expertise of manufacturing FIBC products for bulk packaging, Virgo Polymer (India) Limited, underwent a metamorphosis pertaining to its initial capacity of producing 350 Mt/pa unit, into a prodigious plant with a facility of producing 4200 Mt/pa, pertinent to FIBC only.

Virgo Polymers excel at the craft of bulk packaging, which is accentuated by their integrated in-house processing, from extruding our own tapes to packing of finished FIBC until in house fabric and webbing, which enables us to prioritize customer needs and satisfaction, thereby ensuring unyielding texture and precision in terms of quality.

Virgo has etched its prominence in the field of FIBC by taking a lead in employing Sulzer Flat Loom for manufacturing activities. Having enabled the preference and choice for coating and printing, specific requirements of our clientele are ably met within the stipulated duration, assured. We have engaged a majority of our manpower to finish the FIBC and have the possibility of making bags with over locks, chains or lock stitches. With this, we are able to meet almost all kinds of FIBC requirements.



**Cost of
CARGO
is always Lesser
with
VIRGO**



Advantages



Integrated in-house processing installed ensuring quality and capability



Economical packaging solution



Sturdy



Provides stability to packaging, enabling safer stacking



Convenient transportation and storage



User friendly

Products

Baffle Bags

These Baffle Bags also very popularly known as the Q-Bag is a wonder in the FIBC Industry. The Bag is made in the manner to provide most cost effective solution for Bulk Packaging. The making of the bag is such that it gives a considerable benefit to the user while transporting and storing Bulk Material.

Types of Internal Baffle in VPIL Baffle Bags

- ▼ Fabric Based Baffles
- ▼ Net Based Baffle Bags

Flash Points

- ▼ Economical solution to packaging
- ▼ Prevent side bulging of packages
- ▼ Convenient transportation and storage
- ▼ Provides stability to packaging, enabling safer stacking
- ▼ Impressive aesthetic appeal



Our big bags caters to various industries like FMGC, heavy chemicals, cement, fertilizers, mining and agriculture.



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Products

Corner Loop FIBC

Corner Loop FIBC bags happen to be the most widely chosen solution when it comes to the selection of bulk packaging baggage. Thus, Virgo Polymer (India) Ltd. (VPIL) has created a special identity in FIBC industry with the production of this unique packaging bag that guarantees better stability and improved stacking option for bulk goods.



Our big bags caters to various industries like FMGC, heavy chemicals, cement, fertilizers, mining and agriculture.

Flash Points

- ▼ Innovative designs in the form of U+2 Design or U-Panel jumbo bags and U-Panel bags or 5 Panel constructions so that customers can get packaging solutions that are precisely tailored as per their needs
- ▼ Tenacity and good load distribution mechanism
- ▼ Specialized construction that features four corner loops in four corners of the bag
- ▼ These loops have been affixed with the main body of the bag with either over lock stitch, or chain stitch or combination of both as per the requirement
- ▼ The firmness rendered by the long seams at the edges of the bag also contributes towards its competitive advantage



Products

Cross Corner Loop Bags

Virgo Polymer (India) Ltd. (VPIL) brings an innovative packaging solution for fine materials in the form of Cross Corner FIBC. It can be rest assured that these Cross Corner FIBC bags are the ultimate choice for packing and transporting fine materials.

Flash Points

- ✔ Specially designed in order to offer dust proof packaging solution
- ✔ Their competitive advantage is the sturdiness that they offer to packages by virtue of their circular woven tubular fabric
- ✔ Preliminary focus has been given to the weave and fabric selection of Cross Corner bags. The bags have any side seam to withstand drop test and high vertical pressure
- ✔ Loops that would go across the corners, have further been stitched to the body of the bags with lock stitch
- ✔ Double wrap tapes with inter-woven reinforcements have been chosen for the purpose
- ✔ Virgo Polymer has made it certain that the bags would have enough strength in the lifting region and would be immune against accidental tearing
- ✔ Equal attention has been given to the belts of these Cross Corner bags. They have been made stiff so that they can stand erect over these bags



Our big bags caters to various industries like FMGC, heavy chemicals, cement, fertilizers, mining and agriculture.

Products



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Tunnel Lift FIBC

When it comes to selection of packaging bags for the building and construction industry, Tunnel Lift FIBC bag happens to be the numero uno choice. However, the functional excellence of these bags has generated an equally appreciable demand for them in other industries as well.



Our Big Bags caters to various industries like FMGC, heavy chemicals, cement, fertilizers, mining and agriculture.

Flash Points

- ▼ Passes through a number of quality checking procedures
- ▼ Special attention is given on the constructional details
- ▼ An additional layer of two side tunnels are incorporated on both the sides so that they remain sturdy during the processes of filling, stacking and transporting of goods
- ▼ The width of these bags easily allow fork-lift tines to pass through, thereby making process such as lifting of bags, and filling and discharging goods when required much convenient
- ▼ Tunnel lift FIBCs filled bags can be shipped on pallets which makes them weather-proof



Products

Wood Bags

There are certain specialized goods that need to get adequately air dried before they are delivered to the customers. Virgo Polymer (India) Ltd. (VPIL) ideally complements this need by means of a breakthrough product - Wood Bags / FIBC bags.

Flash Points

- ✔ Once goods are stacked inside, they automatically get air dried by the time they reach the end users
- ✔ No additional cost involvement in repacking
- ✔ Polypropylene forms the base material for its sturdiness and ease of maintenance
- ✔ In case of construction, Virgo Polymer has specifically ensured that net is used for the panel on two sides of the bags
- ✔ In the other two sides, scientific and well researched ventilated construction has been made in the form of 26 stripes of alternating solid and ventilated patches
- ✔ While the square shape of these bags adds to their storage capacity, the loops provided at the bottom of the miraculous packaging baggage make it easier to empty them after reaching the destination



Our big bags caters to various industries like FMGC, heavy chemicals, cement, fertilizers, mining and agriculture.

Products



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Ventilated Bags

Perishable items need proper ventilation in order to stay fresh for hours. Thus, during storage and transportation of bulk quantities of perishable goods, special attention should be given towards the packaging material of the baggage in order to avoid massive damage of goods. This need has been clearly understood by Virgo Polymer (India) Ltd. (VPIL), the outcome of which is the ventilated bag.



Flash Points

- ▼ The process of fabric selection is carried out under special attention, in order to ensure that there is enough breathability inside these perishable item packaging bags
- ▼ Simultaneous pattern of woven or mesh polypropylene, or the combination of both allow easy circulation of air through the baggage material. As a result, the goods kept inside remain fresh
- ▼ Durable and cost effective
- ▼ The features comprising of alternate layers of solid and loose patches makes the bags even more ventilated

Single and Double Loop FIBC

Virgo Polymer (India) Ltd. (VPIL) now brings an even cost effective alternative to the traditional 4 Loop FIBC bag in the form of Single Loop and Two Loop FIBC bags. Besides being an economical alternative, these bags also serve as the best packaging solution for granular and powdered bulk material. Thus, the bags are popularly in demand in the agricultural industry. An equally appreciable feature of this category of bags is that they offer the convenience of handling up to 6 Sacks at a time by a forklift or a crane! In comparison to it, only 1 sack of 4 Loop FIBC can be handled by a crane or a forklift at a time.

The fabric exudes the attributes of a smooth texture and milky white colour. Yet another component that adds to the aesthetic appeal of these bags is the contour. While the body fabric is given a unique cut all throughout, the top is crumpled, stitched and worked up into a loop. These loops are further tightened together to make the goods inside the bags secured and then different coloured bands are stitched onto them for easy identification. The unique construction of these bags make to easier to stack them at several levels as per positions such as handling requirement, storage and conditions of transportation.



Got **BULK**?

Go **SMART**

Go **VIRGO**





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Global Supply Outreach

Based in Chennai, Virgo Polymer (India) Ltd, a manufacturing plant working in Polypropylene Woven Sack industry for over two decades, cater to the bulk packaging needs of various Industries pan India as well as, tranships to 10 countries in 4 continents across the globe.

Industries We Serve

Virgo Polymer (India) Limited cater to FIBC needs of bulk packaging to the following Industries:

- ▼ FMGC
- ▼ Heavy Chemicals
- ▼ Cement
- ▼ Fertilizers
- ▼ Mining
- ▼ Agriculture



Certification



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
वाणिज्य एवं उद्योग मंत्रालय
MINISTRY OF COMMERCE & INDUSTRY
विदेश व्यापार महानिदेशालय
DIRECTORATE GENERAL OF FOREIGN TRADE

मान्यता प्रमाण पत्र
Certificate of Recognition

एक सितारा निर्यात सदन
ONE STAR EXPORT HOUSE

मैसर्स..... STATUS HOLDER No.:04/1/3341/151223

(आई ई सी और आयकर पैन)

को विदेश व्यापार नीति, 2015-2020 के प्रावधानों के अनुसार एक सितारा निर्यात सदन का स्तर प्रदान किया जाता है। यह प्रमाण पत्र, प्रक्रिया पुस्तक (2015-2020) के पैरा 3.20 (बी) में दी गयी शर्तों के निहित..... वर्षों की अवधि के लिए दिनांक से तक वैध होगा।

M/s ... VIRGO POLYMERS (INDIA) LTD. A-1-A MMDA INDUSTRIAL
COMPLEX MARAIMALAI NAGAR KANCHEEPURAM DT. CHENNAI TAMILNADU
603209

(IEC ... 0492016615 and Income Tax PAN)

are hereby accorded the status of One Star Export House in accordance with the provisions of the Foreign Trade Policy, 2015-2020. This Certificate is valid for a period of Five years effective from 08-9-2015 to 07-9-2020 subject to the conditions prescribed in Para 3.20(b) of the Hand Book of Procedures (2015-2020).

सं./No. A/ 3341

तारीख/Date : 23.12.2015

स्थान/Place : Chennai

(फाइल सं./File No.) 04/66/105/00109/AM16/
तारीख/Date :

SEAL

J.V. PATIL
अपर/संयुक्त/उप महानिदेशक,
विदेश व्यापार/विकास आयुक्त (एस.ई.जेड.)
Additional/ Joint/ Deputy
Director General of Foreign Trade/
Development Commissioner (SEZ)

Accreditation

CERTIFICATE

EN ISO 9001 : 2015
Quality Management System

VINÇOTTE nv

Jan Olieslagerslaan 35, 1800 Vilvoorde, Belgium

This is to certify that **Virgo Polymer (India) Ltd**

Located at **Factory I: A-1-A, MMDA Industrial Complex,
Maraimalai Nagar, Kancheepuram Dist.
603209 Chennai (India)
Factory II: Plot No. 13 & 14, Industrial Area 3
Maraimalai Nagar
603209 Kancheepuram**

has established and maintains a quality system according the requirements of EN ISO 9001 : 2015 "Quality Management System" for

Factory I - Manufacture and supply of PP woven Flexible Intermediate Bulk container, PP woven fabrics and sacks.

Factory II – Process of Stitching, Packing & dispatch

This certificate is based on the result of a quality audit documented in the audit report
26750_Virgo_QMS_2015_Renewal_15th_June_2017.

Certificate number: 16 QMS 6053a
First issued: 27 June 2016
Valid from 10 July 2017 to 9 July 2020

Further clarifications regarding the scope of this certificate and the applicability of EN ISO 9001 : 2015 requirements may be obtained by consulting the organization.

This certificate is granted during the Certification Commission of 10 July 2017 and is subject to the General Regulations of VINÇOTTE nv.



Signed for the certification body:

A handwritten signature in blue ink, appearing to be "Bart Janssens", written over a horizontal line.



Bart Janssens
Chairman Certification Committee

FIBC Big Bags FAQ

What is an FIBC?

A Flexible Intermediate Bulk Container (FIBC) is a large bag made out of woven polypropylene, which is used for storage and transportation of dry products. FIBC can hold anything between 250 kg to 2000 kg of material and can be easily operated with the help of a forklift.

How do we select the size of FIBC for our product?

Physical and chemical properties such as bulk density, flow characteristics, compatibility of the material with Polypropylene, fill temperature, particle size and shape, etc. Methods used for filling, handling, transporting, storing and emptying of FIBC, number of trips for each FIBC, and environmental conditions likely to be encountered.

Is FIBC safe for my product?

While selecting FIBC, one needs to consider the SWL (Safe Working Load) and SF (Safety Factor) for his packing needs. SWL is the quantum of weight that the bag is tested and related to hold safely. SF is the number of times the Quantum of the FIBC SWL. For example, Safety Factor 5:1 means the FIBC can hold 5 Times the Safe Working Load, under normal conditions.

What are the different types of FIBC available?

FIBC is generally classified by their construction. The most common constructions are:

Cross Corner FIBC (Circular or Tubular)

4 Panel FIBC

U Panel FIBC

Single Loop and Two Loop FIBC

How do I fill, discharge and store FIBC?

FIBC is generally classified by their construction. The most common constructions are:

Cross Corner FIBC (Circular or Tubular)

4 Panel FIBC

U Panel FIBC

Single Loop and Two Loop FIBC



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Virgo Polymer (India) Ltd.

A1A, MMDA Industrial Complex, Maraimalai Nagar
Kancheepuram - 603209
Tamil Nadu INDIA

Email: Info@VirgoPolymer.com

Ph: +91 90030 48815

VirgoPolymer.Com