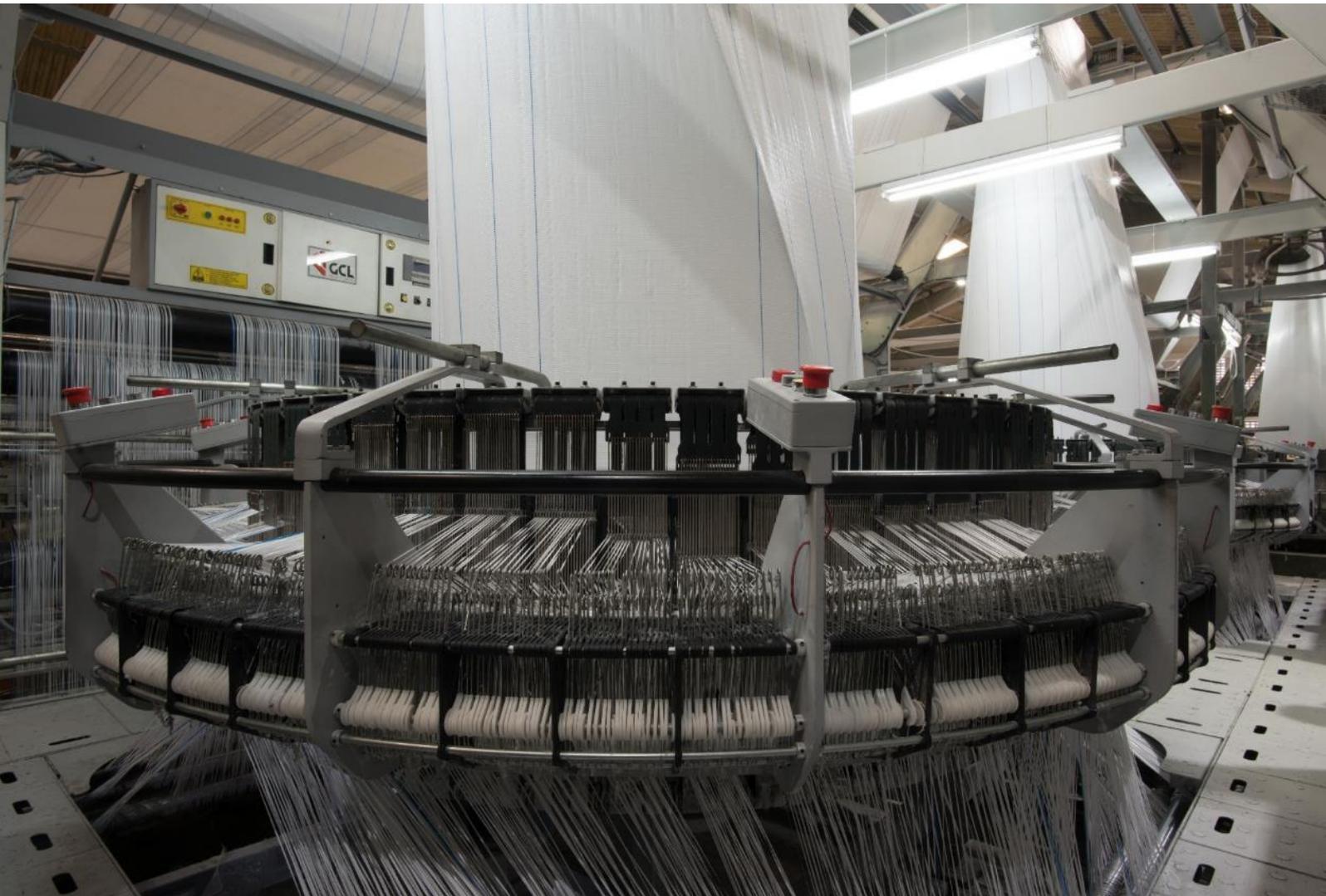




VIRGO  
POLYMER  
(INDIA) LTD



ISO 9001 : 2008

# CERTIFICATE OF REGISTRATION

## Quality Management System

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

Located at **A-1-A, MMDA Industrial Complex,  
Maraimalai Nagar, Kancheepuram Dist.  
603209 Chennai  
India**

has established and is maintaining a quality system in accordance with the requirements of ISO 9001 : 2008 "Quality Management System" for the following scope :

**Office: "Purchasing process for manufacture and supply of PP woven flexible intermediate bulk container, PP woven fabrics and sacks"**

**Factory: "Manufacture and supply of PP woven Flexible intermediate bulk container, PP woven fabrics and sacks"**

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001: 2008 requirements may be obtained by consulting the organization.

This certificate is based on the result of a quality audit documented in the audit report **Virgo Polymer (India) Ltd\_Renew\_June-14.**

This certificate is granted subjected to V-India's General Regulations.

IAF: 14

NACE: **DH 25.2**

Certificate number: **14 0117**

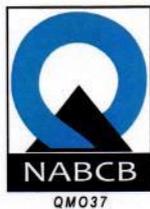
First issued: **25 July 2011**

Date of issue: **28 July 2014**

This certificate expires on: **27 July 2017**



Paul De Baetselier



Vincotte International India Assessment Services Pvt. Ltd. A-49, IInd Floor, FIEE Complex, Okhla Industrial Area Phase-II, New Delhi-110020, India,



## From Directors Desk

Dear Friend,

A very warm welcome from VPIL family.

While we cross the march of over two decades in the field of manufacturing, we are really proud to offer a wide range of FIBC, fulfilling the packing needs of our clients in the industry. A journey, which started from supplying 350 MT p.a WPP bags, has over-time, resulted into a fully integrated unit with a capacity of over 4200 MT p.a of FIBC bags alone.

Company's growth and expansion has transformed its shape over the years and now Virgo is an ISO 9001:2008 company, a govt. recognized export house, a member of the IFIBCA association and a holder of various certificates for its bags.

Since inception, we have met the needs of various FIBC users with a mission of supplying quality products on time. With a vision of being a leader in this industry, we have always worked in-depth with our clients, designing our products which meet their requirements.

To derive maximum benefits, you may please intimate us about your bulk packing requirements, along with the technical details of your product, giving us an opportunity to submit our techno-commercial offer.

Thanking you in advance for sending in your valuable enquiries.

Vivek Ramsisaria  
Director



## Virgo Polymer – A Glimpse

Virgo Polymer (India) Limited, is a Chennai – based manufacturer in the PP Woven Sack Industry, having an experience of over two decades in manufacturing and marketing FIBCs / Jumbo Bags. What commenced as a 350Mt/pa unit is now a plant with a facility of producing 4200Mt/pa of only FIBC.

With facilities right from extruding our own tapes to packing of finished

FIBC, we have integrated all our processes in house. In-house fabric and webbing production enables to maintain good control over our quality.

Virgo has distinguished itself in the field of FIBC by being a pioneer in India to use Sulzer flat loom for its manufacturing activities.

Having the option of coating and printing enables us to meet special requirements of our clients. We have engaged a majority of our manpower to finish the FIBC and have the possibility of making bags with overlock, chain or lock stitches. With this, we are able to meet almost all kinds of FIBC requirements. We have produced a range of FIBC in our history, right from our builder bags to Q-Bags and Asbestos bags.

Virgo has a track record of thriving business in the field of Bulk packaging, and our product, FIBC is being well used in segments of FMCG, Heavy Chemicals, Cement and Fertilizers, and Mining products.

These products are marketed over pan India and exported to 10 countries in 4 continents across the globe.



Virgo possesses a dynamic competitive edge with its approach to customer satisfaction. This competency lies in our in-depth knowledge about our product, coupled with our experience in the bulk packaging field which enables us to develop our products in-house, based on their applications and the requirements of the client.

Our efforts in exports have been identified by our government and they have given us a 'One Star Export House' certificate. With our energies concentrated towards supplying quality products on time, we have ensured that all our bags are certified by Labordata – a globally recognized test house.

Virgo always looks forward to servicing their customers by understanding their needs and executing them in the most economical manner.



## **Baffle Bags / Q FIBC**

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.

### **General Benefits of Baffle Bags**

Prevents the sides of the Big Bag from bulging

Big Bag remains square instead of having a circular foot print

Cost effective in transportation and storage

Improves stability of the packaging, enabling safer stacking

Better Visual Effect



## **Corner Loop FIBC**

This type of FIBC is generally used in general purpose of bulk packaging and is the most widely used FIBC. These bags have a comparatively better stability and stack-ability.

These bags are either made in U+2 Design or in 5 Panel construction. The four loops are fixed in the corners by over-lock sewing, chain sewing, or with a combination of both. The long seam at the edge of the bag gives a very good load distribution and gurantee high tenacity.



## **Cross Corner Loop FIBC**

Cross-Corner FIBC are made with circular woven tubular fabric have no side seams, and can withstand drop-test and high vertical pressure. This type of FIBC helps in achieving efficient dust-proofing and is generally used in packing very fine material.

These loops are stitched with lock stitch to the body of the Big Bags. The fabric in the loop stitching area is made with inter-woven reinforcements (Double warp tapes), which helps in providing strength to the lifting region.

## **Tunnel Lift FIBC**

Tunnel Lift FIBC, are becoming more and more popular not only in the building trade, but also in many other industries.

These bags are produced with two additional side tunnels, which are designed to aid the filling, stacking and handling process, by allowing the fork-lift tines to pass through the entire width of the bag.

For some filling and discharging systems, the forklift truck driver can lift up the FIBC and place it into the filling or discharging system without having to get out of the truck.

Once these bag are filled its generally handled by the tunnels. These bags often allow the need to ship filled bags on pallets, hence saving the cost of pallet and reducing the impact on the environment.

These bags are particularly suitable for high volume multi-lift environment due to its cost effectiveness and ease of handling.



## **FIBC FAQ**

### **What is an FIBC?**

An Flexible Intermediate Bulk Container (FIBC), Big Bag, Bulk Bag or Super sack is a large bag made out of woven polypropylene used for storage and transportation of Dry Products.

FIBC Can hold anything between 250 to 2000 Kgs of material and can be easily operated with the help of a Forklift

### **How do we select/ size the 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.

### **Are FIBC Safe for my Product?**

While Selecting and 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 Eg: SF 5:1 means the FIBC can hold 5 Times the SWL under normal conditions. SWL is based on the quantum of product you plan to pack in a bag, and SF helps in deciding the number of times the bag can be used.



## **what are different type 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 and FIBC?**

FIBC Can be designed to meet your filling and discharging method.

Generally, if the material is filled manually or from a conveyor, an open top or a skirt top is preferred. If the material is directly filled from a chute, a spout is suggested.

While Discharging, the construction of the bottom is to be decided based on the flow characteristics of the material. By having a spout at the bottom the flow of the material can be controlled.

Empty FIBC should be stored in a manner that accidental damage, exposure to sunlight, extreme climatic conditions and harmful substance are avoided. Top Closures of filled FIBC should be closed properly before storage. Except for FIBCs which have been specially designed for outdoor storage, all FIBC stored outdoor should be sheeted over to prevent water collection on top of FIBC and to avoid any contamination of Material.





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