



**VIRGO  
POLYMER  
(INDIA) LTD**

**Think  
BIG!  
Think  
VIRGO**

**SPECIALIST IN  
BIG BAG SOLUTIONS**



**CATALYZING MINING  
PRODUCTIVITY**

**Fortifying Safety Standards & Boosting Operational  
Efficiency with Virgo's Mining Big Bags**



## THE POWER OF VIRGO BIG BAGS — IN THE —

# MINING INDUSTRY

Mining, a key driver of global economic growth, calls for top-notch handling and packaging solutions to ensure the safety, quality, and efficacy of extracted minerals. The trends and dynamics of the mining industry serve as a barometer of the economic vitality of nations, and therein lies the relevance of Virgo Big Bags. We provide tailor-made solutions, specifically designed to meet the unique demands and challenges of the mining industry.

Crafted to bear hefty loads, Virgo's Mining Big Bags exemplify robust construction and smart design. The secure and dust-proof make minimizes material loss during transit, thereby maximizing the value of the extracted minerals. The bags' generous capacity augments operational efficiency by reducing the need for multiple smaller bags, which in turn lowers labor costs and boosts productivity.

Designed with a primary focus on safety, Virgo Big Bags facilitate easy handling, effectively mitigating the risk of workplace injuries. Their reliable containment system minimizes spillage risks, contributing to a safer, cleaner mining environment.

Navigating the multifaceted dynamics of the mining industry, Virgo Big Bags present an innovative, all-encompassing solution that seamlessly amalgamates safety, efficiency, cost-effectiveness, and sustainability. Trust Virgo Big Bags to fuel your productivity while keeping safety and sustainability at the forefront.



**VIRGO  
POLYMER  
(INDIA) LTD**  
**ISO 9001 : 2015**



Virgo Polymer, your trusted expert in Big Bag solutions, has carved a niche in the industry over nearly four decades. As a distinguished member of the International Flexible Intermediate Bulk Container Association (IFBCA), we have continually maintained our commitment to quality and innovation since our establishment in 1985. Our quality standards are endorsed by our ISO 9001:2015 certification, reinforcing our position as a leading manufacturer, setting unmatched standards for quality and reliability.

We pride ourselves on understanding the unique requirements of the Soda Ash industry, delivering robust, durable Big Bags meticulously designed to withstand its rigorous demands. Our commitment to exceeding expectations never wavers, as we offer bags that go beyond the highest standards of strength, durability, and performance.

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Based in Chennai, Tamil Nadu, Virgo Polymer has evolved into a global supplier of FIBC bags, demonstrating a profound understanding of your Big Bag needs. By combining our vast experience with globally-recognized certifications, we're emerging as a benchmark in the industry. Your choice to partner with Virgo Polymer assures a blend of quality, innovation, and unparalleled service.

**WHY  
CHOOSE**

**VIRGO?**



**EFFICIENT TEAM**



**SPECIALIST IN MANUFACTURING**

**TYPE A NON-FOOD GRADE FIBC**



**EXCELENT SERVICE**

**PRODUCTION CAPACITY**

**500 TONS PER MONTH**



**QUALITY PRODUCTS**

..... CATERS TO .....

**DOMESTIC MAREKT  
PAN-INDIA**

**INTERNATIONAL MARKET  
10 COUNTRIES ACROSS  
4 CONTINENTS**

**LOCATED IN A PORT CITY, WE TAKE ADVANTAGE  
OF FAST SHIPMENTS & COST-EFFECTIVENESS IN  
DELIVERING OUR PRODUCTS**



# THE PILLARS OF PRODUCTION

## Our State-of-the-Art Manufacturing Infrastructure



EXTRUSION UNIT



WEAVING CIRCULAR LOOM



FABRIC ROLL READY FOR BAG MAKING



PRINTING MACHINES



STITCHING & SEWING UNIT



STITCHING UNIT



BELT CUTTING MACHINE



BAG CLEANING IN PROGRESS



BALING PRESS MACHINES



GOODS READY FOR DISPATCH

# QUALITY ASSURANCE IN EVERY BAG

## Our Dedication to Stringent Quality Assurance Processes



Tensile Testing Machine



Weathering Testing Machine



Load Testing machine

## COMMITMENT TO SUSTAINABILITY RESPONSIBLE MANUFACTURING PRACTICES

### Efficient Storage & Transportation

We prioritize eco-friendly processes and materials, minimizing our carbon footprint and promoting a greener future. Our infrastructure incorporates energy-efficient technologies, waste reduction measures, and recycling initiatives to ensure responsible manufacturing.

With Virgo, you can trust that your products are being produced with a focus on sustainability and environmental responsibility.



# ENHANCED SOLUTIONS FOR THE MINING INDUSTRY

## Elevate Productivity and Safety with our Specialized Mining Big Bags

Our Mining Big Bags, specifically designed for the challenging mining industry, are a testament to sturdy design, advanced materials, and modern construction techniques. Created from 100% Virgin PP, these woven bags are built to securely store and transport a wide range of mined materials.

Key features of our bags include a dust-proof design to mitigate loss during transit, and a substantial capacity to amplify operational efficiency.

In addition to this, we provide both coated and uncoated variants, and can customize these bags according to your specific requirements. Every Virgo Big Bag is subjected to stringent testing at multiple production stages to ensure conformity with rigorous industrial standards. Our solutions deliver a cost-effective strategy that doesn't sacrifice strength, durability, or safety.

With Virgo's Mining Big Bags, you can augment efficiency and reinforce safety protocols in your operations.

### WHY CHOOSE VIRGO MINING BIG BAGS

Heavy Load Capacity

High Durability

Abrasion Resistance

Tested Quality

Optimized for Transport & Storage

Recyclable

Leak-Proof Design

Cost-effective

### IN-DEPTH SPECIFICATIONS

INFORMATION	DESCRIPTION	INFORMATION	DESCRIPTION
Production Name	FIBC Bags / Jumbo Bags / Big Bags / T on Big Bags / Big PP Woven Bags	Material	100% Virgin PP OR with a 30% RP Variant for UK market
Bag Type	Type A FIBC	SWL / Capacity	Customized based on specific mining material's gravity
Bag Construction	4-panel / U-panel / Circular / Tubular / Rectangular Shape / Bulkhead (optional)	Fabric Weight	Customized to safely carry mining loads
Fabric Colour	White, Black, Beige, Blue OR as Customized	Lifting Loops	2 OR 4 Belts / Cross Corner Loop / Double Stevedore Loop / Side-seam Loop
Ropes	1 OR 2 around the Bag Body OR as Customized	Bag Regular Size	Customized based on mining volume and weight
Top	Full Open / Filling Spout / Skirt Cover	Bottom	Flat Bottom / Discharge Spout / Full Open
Inside Liner	Customized to prevent specific mining material from moisture absorption / Aluminum or Foil Liners (optional)	Sewing	Plain / Chain / Chain lock with optional soft-proof
Printing	Available ( 5Colour )	Document Pocket	Yes / No
Characteristic Features	Breathable and Airy, Anti-static, Shock Resistant, Conductive, UV Stabilization, Reinforcement, Dust-Proof, Moisture-Proof, Recyclable, Disposable, Ventilated Fabric (optional)	Safe Factor	3:1/5:1/6:1 OR customized
Packing Detail	10Pcs Bundle (bale), 20Pcs Bundle (bale) OR On Pallet as Customized	Heavy-Duty Construction	Available (optional for harsh mining conditions)

# FIBC BAG CONSTRUCTION

## LIFTING LOOP OPTIONS



4 LOOP IN THE CORNER



CROSS CORNER LOOPS



1 AND 2 LOOPS



TUNNEL LOOPS



STEVEDORE LOOPS



LOOPS ON THE BOTTOM (OPTIONAL)

## TOP INLET OPTIONS

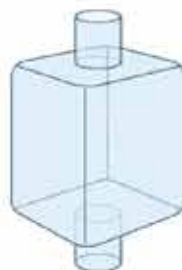


## BOTTOM OUTLET OPTIONS

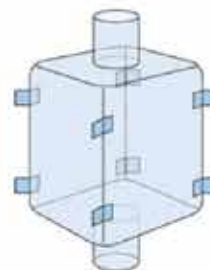


**Big Bags With Liners  
Perfectly Protect the Goods**

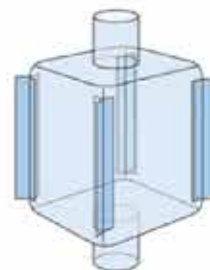
## ATTACHING THE INLINER TO THE BIG BAGS



NO ATTACHING



ATTACHING WITH TABS



ATTACHING WITH FLANGERS



ATTACHING WITH GLUE

**BRINGING THE WORLD OF  
BIG BAGS TO YOUR DOORSTEP**



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