

ASTpack® Bulk Container Liners



PE Film Bulk Liner



PE Woven Bulk Liner

Dry bulk container liners, also known as shipping, sea bulk or sea land container liners. These liners are made from PE film or PE/PP woven material depending on material specification required by customer. They are used in standard, bulk and open top containers. The most common sizes are for standard 20, 30 and 40 foot export containers. However it can be designed to any size according to the customer's requirement.

Bulk Liner Types:

1. Standard - PE/PP Woven Bulk Liners
For the bulk transport of Plastic granules, Malt, Sugar, Wheat, Fodder
2. Moisture Resistant - PE film Bulk Liners
For the bulk transport of Coffee, Cocoa, Tobacco

Bulk Liner Materials:

1. PE Film - food grade 150 Micron
2. PE / PP Woven Fabric - 140gsm double sides coated woven HDPE/PP fabric or as customers request.

Bulk Liner Size:

20 ft liners / 30 ft liners / 40 ft liners, as customer's requirements.

Loading Spout:

Filling Spout / Zipper Loading / Vent Spout

Unloading Spout:

Normal Discharge / Fish Tail Discharge / Letter Box Discharge spout

Bulk Liner Accessories:

1. Bulk head: PE film, PP/PE woven fabric
2. Steel bars: 5 pieces steel bars(40x40x2.5x2407mm) or as customer's requirements
3. Two Heavy Duty Belts for steel bars bracing with D - Rings and Carbine Hooks
4. Hanging Points
5. Air bag: optional
6. Foam pad: optional

**Loading & Unloading methods as customers' requirements.**

a. Loading can be done

- by the pneumatic system - powders & granules

The container remains horizontally and the blower is inserted into the container. The cargo is blown in.

- by the gravity (direct from silo) - powders & granules

The container is tilted upper 40 degrees and the loading pipe is inserted into the container. The cargo is thrown in.

- by the conveyor belt - malt, cocoa & coffee beans

A conveyor belt is inserted into the container, the cargo is dropped inside.

- by the belt thrower

The machine is put underneath the silo and positioned in back of container. The cargo is thrown

inside at high velocity.

b. Unloading can be done,

- by gravity
- by vacuum / pneumatics

Discharge is usually done by means of tilting the container. The discharge sleeves are connected to a rotary valve, a negative pressure unit or just hang in a bin.

Dry Bulk Liner installation process:

1. Place the folded container liner in a clean and sound container and unfold it,
2. Insert bar into sleeve and place it in the channels on the floor,
3. Tie the rope and elastic circle securely to the hoops of container,
4. Tie the rope from bottom of liner at the door to the hoop on the floor to avoid movement when loading,
5. Install all four steel bars into door channels by putting bars through hanging loops and straps,
6. Close the left door and inflate with air compressor to prepare to load cargoes.

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