

# BULK BAG BUYERS GUIDE

FIBCs, or Flexible Intermediate Bulk Containers are industrial containers made of flexible polypropylene fabric that is designed for storing and transporting dry, flowable products, such as sand, fertilizer, chemicals, food products, etc.



## TYPE A BULK BAGS

### Primary Uses:

- ▶ Non-hazardous materials
- ▶ Locations with non-hazardous conditions.

### Do NOT use:

- ▶ When transporting flammable or hazardous materials.
- ▶ When flammable materials or gases are present in your location.
- ▶ When a flammable atmosphere with minimum ignition energy less than 1,000mJ is present.

Tough and durable, our Type A bulk bags are made with high quality woven polypropylene fabric made to handle any number of applications, with safe working loads of up to 5,000lbs. Available in a variety of styles and options, bulk bags are one of the most cost-effective forms of industrial packaging on the market, and Palmetto is here to provide you with your optimal package.

## TYPE B BULK BAGS

### Primary Uses:

- ▶ Transporting dry, flammable powders
- ▶ Where no flammable solvents or gases are present.
- ▶ Environments with dust with ignition energies less than 3mJ

### Do NOT use for:

- ▶ Transporting flammable or hazardous materials.

Like Type A bulk bags, Type B bulk bags do not have any mechanism for dissipating static electricity. The difference is that Type B bulk bags are made from materials that have a low breakdown voltage to prevent the occurrence of highly energetic, and dangerous propagating brush discharges (PBD). Although Type B FIBCs can prevent PBD, they cannot be considered antistatic because they do not dissipate electrostatic charge.



## TYPE C BULK BAGS

### Primary Uses:

- ▶ Transporting dry, flammable powders.
- ▶ When flammable vapors, gases, or combustible dusts are present.

### Do NOT use:

- ▶ When ground connection is not present or has become damaged.
- ▶ When a flammable atmosphere with minimum ignition energy less than 1,000mJ is present.

Also known as conductive or groundable FIBCs, they are more commonly made from non-conductive polypropylene interwoven with conductive carbon yarns in a grid pattern. The interconnection of conductive yarns and the connection to ground or earth is critical to the safe use of Type C FIBC.



## TYPE D BULK BAGS

### Primary Uses:

- ▶ Transporting flammable powders
- ▶ When flammable vapors, gases, or combustible dusts are present.
- ▶ Transporting flammable or hazardous materials.

### Do NOT use:

- ▶ When surface of FIBC is contaminated or coated with conductive material such as grease or other flammable and/or combustible materials.

Type D FIBCs are made from static protective fabric designed to safely prevent the occurrence of incendiary sparks, brush discharges and propagating brush discharges, without the need for a connection from the bulk bag to ground or earth. Using CROHMIQ fabric to construct anti-static bulk bags eliminates the inherent risk of grounding failure that is always present whenever conductive Type C FIBCs (grounded FIBCs) are used.



The CROHMIQ® Safety Advantage	Type B	Type C	CROHMIQ®
Dissipate static electricity	✗	✓	✓
Prevent brush discharges	✗	✓ ONLY WHEN GROUNDED	✓
Prevent sparks	✓	✓ ONLY WHEN GROUNDED	✓
Prevent PBD	✓	✓	✓
Safe for use in presence of solvents (MIE > 0.14 mJ)	✗	✓ ONLY WHEN GROUNDED	✓
Safe for use with flammable powders (MIE ≤ 3mJ)	✗	✓ ONLY WHEN GROUNDED	✓
Safe for use with combustible powders (MIE > 3mJ)	✓ NOT SOLVENT WET	✓ ONLY WHEN GROUNDED	✓
Safe for use without grounding	✓ NOT WITH SOLVENTS OR FLAMMABLE POWDERS	✗	✓

## BAG CONSTRUCTION



4-PANEL



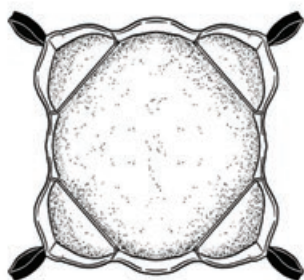
U-PANEL



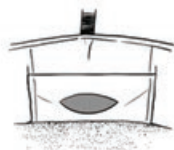
CIRCULAR



BAFFLE



BAFFLE OVERHEAD



STANDARD BAFFLE



NET BAFFLE



## LOOP CONSTRUCTION



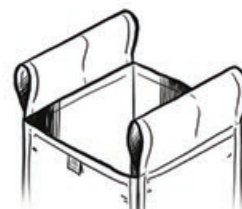
CORNER LOOP



CROSS CORNER



STEVEDORE



SLEEVE LIFT

## TOP CONSTRUCTION



OPEN TOP



DUFFLE TOP



SPOUT TOP w/ FLAP



CONICAL SPOUT TOP



SPOUT TOP

## BOTTOM CONSTRUCTION



PLAIN BOTTOM



DISCHARGE SPOUT



DISCHARGE SPOUT  
w/ FLAP



DUFFLE BOTTOM



CONICAL  
DISCHARGE SPOUT