



FLEXIBLE INTERMEDIATE BULK CONTAINER (FIBC) SPECIFICATIONS (Approved 6-13-23)

These specifications are Guidelines for FIBC manufacturers. The American Peanut Council does not test containers made by individual manufacturers and therefore does not certify that any bag does, in fact, meet APC specifications. The Council accepts no liability for containers that do not meet APC specifications.

Capacity:	Maximum weight of 2,400 Pounds (1,090 kg.) whole redskin or blanched kernels, 2,200 Pounds (1,000 kg.) split kernels, or 1,000 Pounds (454 kg.) inshell peanuts.
Type:	U-panel (Four Side Seams), non-baffled.
Material:	100% Woven Virgin Recyclable Polypropylene (<u>FDA Food Grade</u>). 21 CFR 170.39. Calcium carbonate level between 5% and 9%.
Size:	34" X 41" X 63" ID (+1/2 or -0) 86 cm X 104 cm X 160 cm ID (+1.25 cm or -0 cm)
Color:	All fabric components shall be <u>opaque</u> white
Fabric Cut:	All fabric components should be either <u>sonic cut</u> or heat cut. Heat cut and/or sonic cut must be sewn to the outside on all seams.
Body Fabric:	6.5 oz. per sq. yd (220 gm per sq. meter) + or - 3%, uncoated and breathable (minimum 40 cfm) fabric (meets ISO 21898:2004 Section 4.1 & Annex A) standard for intermediate bulk container fabrics) with 50% tensile strength retention after 200 hours of UV-B exposure. Air permeability not to be achieved by skipped tapes or irregular weaving. Tape count must be a minimum of 11 X 12 per sq. inch.

Top Fabric: 4.0 oz. per sq. yd. (135 gm. per sq. meter) + or – 3%, uncoated and breathable (minimum 40 cfm) fabric (meets ISO 21898:2004 Section 4.1 & Annex A) with 50% tensile strength retention after 200 hours of UV-B exposure. Air permeability not to be achieved through skipped tapes or irregular weaving.

Fabric Elongation: Maximum 18%; Minimum 15%
(Warp %)

Fabric Elongation: Maximum 18%; Minimum 15%
(Weft %)

Fill Spout: 14” (36 cm) diameter X 12” (30 cm) long, 4.0 oz. per sq. yd. + or – 3% (135 gm per sq. meter) uncoated and breathable (minimum 40cfm) fabric with ¾” (1.9 cm) X 18” (46 cm) tie tapes (2). Air permeability not to be achieved through skipped tapes or irregular weaving. All components of Fill Spout must be tucked and hemmed.

Discharge Spout: 14” (36 cm) diameter X 12” (30 cm) long, 4.0 oz per sq. yd. + or – 3% (135 gm per sq. meter), uncoated and breathable fabric with tie tape closure. Bonnet bottom shall be pajama closure. Air permeability not to be achieved through skipped tapes or irregular weaving. All components of Discharge Spout must be tucked and hemmed.

Safe Working Load:

6 to 1, per ISO/TC 122 international standard for bulk bags. Tote bags must be capable of stacking a minimum of 4 bags high.

Lift

Loops/Straps: Four sewn loops 8” (20.3 cm) above top of bag with inside loop sewn to seam at top of bag. Loop must have 7 ½” (19.0 cm) minimum ID opening. One lift strap shall be located on each corner, white, with minimum tinsel strength of 4,400 pounds (1,996 kg.)

Sewing: Minimum 2 rows, 3 chain stitches per inch, sewing per each seam. 2000 Denier (minimum) continuous filament 100% virgin polypropylene threads (FDA Food Grade). Seams can also be overlock stitched on outside.

Bag

Certification: FIBC manufacturers must be certified under a Global Food Safety Initiative Scheme, which include SQF, BRC, IFS and FSSC 22000. FIBC suppliers must provide certification on each shipment that all bags meet

APC specifications and comply with U.S. and EU regulations for food contact packaging. These include but are not limited to:

- Framework Regulation (EC) No 1935/2004
- Regulation (EC) No 2023/2006
- Regulation (EU) No 10/2011 and amendments
- European Directive 82/711/EEC and amendments
- European Directive 85/572/EEC and amendments
- EN 15593:2008-05 Packaging

This FIBC is intended as a one-use tote bag.

**Bag Tag
To State:**

“Meets APC Standard (June 2023)”, also should contain supplier name/address with warning and use label and date of manufacture. Tags must also comply with ISO 21898 (Section 7) standard for bag tag.

Tag should include a 22-digit traceability code per the attached specification to include a barcode as well.

**Printing
On Bag:**

Printing on bag should state in 3” (7.6 cm) black ink letters “FOR PEANUTS ONLY”. This must appear on the two narrow panels. All printing on tote bag must be with food grade ink.

**Document
Pouch on Bag:**

All APC Specification tote bags must have pouches sewn on per the following:

- 1) Pouch will be sewn 14” (35.56 cm) below the right corner of the short side of the totebag on the vertical seam. Opening to be on top of the pouch.
- 2) The pouch must have 10” (25.4 cm) X 13” (33.02 cm) usable area minimum and must be sewn along the 13” (25.4 cm) side.
- 3) The opening in the pouch should be on the 10” (25.4 cm) side and oriented to the outside and on the top of the pouch.
- 4) The pouch must be a minimum of 3 millimeters (0.1182 inches) thick and clear.

FLEXIBLE INTERMEDIATE BULK CONTAINER
(FIBC) CERTIFICATION

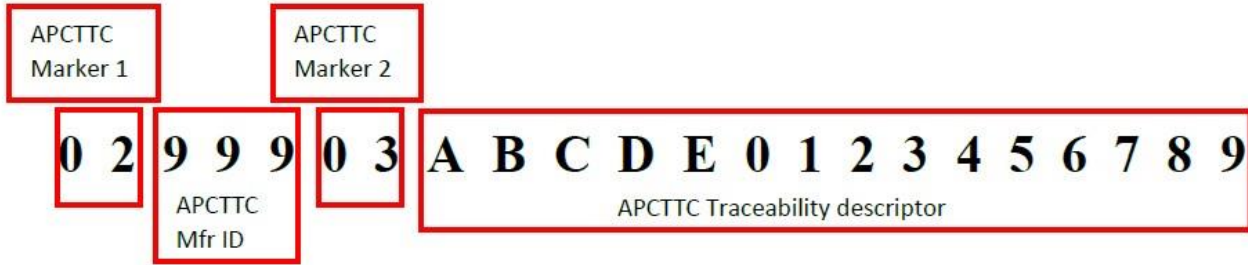


PROPERTIES	TEST METHOD	REQUIREMENT
Fabric		
Fabric Weight	ASTMD-3776	Per Specification
Tensile Strength Straps	ASTM D-5035	4,400 lbs. (Minimum)
<u>UV Resistance & Strength Retention</u>	<u>ISO 21898:2004 (Section 4.1 & Annex A)</u>	<u>>50% After 200 Hours of UV-B Exposure</u>
Breathability, CFM	ASTM D-737-96	Per Specification
Completed FIBC		
Top Lift	CFR 178.812	6:1 @2,400 Lbs.

Tote Bag Traceability Code & Barcode Specification



The traceability code must contain 22 characters, the first 7 positions being numeric and comprised of the APC Tote Bag Traceability Code Marker 1, the APC Manufacturer ID number, and the APC Tote Bag Traceability Code Marker 2. The remaining 15 positions will contain the Traceability descriptor which can consist of letters and/or numerals – no spaces, special characters, or punctuation, but all 15 positions must contain either a letter or numeral – left or right padding when necessary with 0 (zero).



The code components are as follows:

1. Positions 1 & 2 (APCTTC Marker 1) MUST BE the numeric values 0 2
2. Positions 3-5 contain the 3-digit numerical Manufacturer ID obtained from the American Peanut Council
3. Positions 6 & 7 (APCTTC Marker 2) MUST BE the numeric values 0 3
4. Positions 8-22 contain a 15-character Traceability descriptor, which is a reference number that allows buyers to identify the original manufacturer's batch, lot, run, collection, or some other description unique to an aggregation of tote bags in a shipment.

This Traceability Code is to be encoded in a barcode that meets the Code 128 symbology standard specifications, having a minimum height of .375 inches, and must be readable from a distance of 2 feet.