

FLEXITANK SPECIFICATIONS

1. Multilayer Flexitank

- Beta** A 20' bulk container liner made from 2 layers of 125 micron Polyethylene sewn into a woven Polypropylene outer
- Gamma** A 20' bulk container liner made from 3 layers of 125 micron Polyethylene sewn into a woven Polypropylene outer
- Delta** A 20' bulk container liner made from 4 layers of 125 micron Polyethylene sewn into a woven Polypropylene outer.
- Epsilon** A 20' bulk container liner made consist of 5 layers (4 layers of 125 micron Polyethylene and 1 layer Barrier Film of 100 micron EVOH Liner sewn into a woven Polypropylene outer

2. PP Woven

A PP Woven is a Flexitank outer layer which helps to support the Flexitank and stabilizes the liquid dynamics

2.1 PP Woven Material

- It is made out of 180 + 30 gr/sq.m. laminated PP Fabric
- Our PP Woven has a strong yarn count that is able to withstand an elongation of about 15% and tensile strength of 190kg (Warp) and 130kg (Weft)

3. Film Specification

The Film is manufactured from food approved polymers using monomers listed as approved stated substances in SI 3145, and additives listed approves in EU directive 93/3/EC

3.1 Liquid Liner Film (Polyethylene Liner)

3.1.1 Liner Material

- Fabricated from FDA approved food grade 5 layer co-extruded tubular film made from a blend of resins based around polyethylene.
- End closed by impact welded seals

3.1.2 Nominal Dimension

- Thickness of the Film is 125 microns per Polyethylene liner
24,000 liters Flexitank | Opens width 4,000mm, Layflat width 7,400mm
- 18,000 liters Flexitank | Opens width 3,650mm, Layflat width 7,100mm

3.1.3 Dimensional Tolerances

- Mean thickness $\pm 5\%$ of nomina | Point of thicknes $\pm 5\%$ of nominal | Width $\pm 2\%$ of nominal

3.2 Liquid Liner Film (EVOH Liner)

3.2.1 Liner Material

- Specially coated Polyethylene Film with low oxygen transmission rate

3.2.1 Nominal Dimension

- Thickness - 100 microns EVOH Liner
- 24,000 liters Flexitank | Opens width 4,000mm, Layflat width 7,400mm
- 18,000 liters Flexitank | Opens width 3,650mm, Layflat width 7,100mm

3.2.2 Dimensional Tolerances

- Mean thickness $\pm 5\%$ of nomina | Point of thicknes $\pm 5\%$ of nominal | Width $\pm 2\%$ of nominal

4. Valve & Gland

4.1 Filling & Discharging Flange (Gland)

- One filling flange - 3" diameter
- Attached to main body by the 360 degree impact welded seal

4.2 Filling & Discharging Flange (Valve)

- Fabricated from food grade Polyethylene supplied with butterfly valve, elbow-butterfly valve and Banjo valve

5. Bulkhead

A Bulkhead is a retaining walls that restrains the Flexitank from coming out of the container when it is fully loaded. We offer 3 types of Bulkhead

- Bulkhead A** Consist of 4 steel bars and is use together with Top Load / Top Discharge Flexitank
- Bulkhead B** Bulkhead B consist of 2 steel bars and is use together with Top Load / Bottom Discharge Flexitank and Bottom Load / Bottom Discharge Flexitank
- Bulkhead C** Bulkhead C consist of 2 steel frames and is can be use with any type of Flexitank