



## **FLEXIBLE BAGS**

**The Flexible Solution for all  
your bulk transportation needs**

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## **Welcome to Flexitanks's Multi Flex system**

Flexitank provides the comprehensive solution for your bulk liquid transportation needs. We are a  
The Right Product  
The Right People!!

### **Experienced Staff**

1. Our staff offers many years of flexitank experience.
2. Each Flexitank associate is highly qualified to handle flexitank sales and technical questions.
3. We offer step-by-step training for customers to ensure ease of operation.

### **High Quality Service**



1. A custom designed package that is tailored to fit your needs.
2. Total logistics support whenever and wherever needed from full service to direct sale ex works.
3. A large stock of inventory on the ground in Europe, US and Puerto Rico.
4. Tank design and industry fittings to allow easy loading and unloading.
5. 100% inorganic bulkheads available.



## **Reliable Product**

1. The flexitank incorporates the latest technology with a proven track record.
2. All tanks are one-way and environmentally friendly.
3. No cleaning and no contamination.
4. FDA and BGA Approved.
5. Up to 26,000 liter capacity.



## **Research and Development**

1. Custom design and manufacturing to meet customer requirements.
2. Continuous innovation of the flexitank to exceed client expectations.

## **Features**

- Converts a 20' dry ocean shipping container to a 24 ton bulk liquid carrier
- Replaces eighty (88) – 200 l drums or twenty (20) - one ton totes
- 100% Food grade polyethylene
- Compatible with many non hazardous chemicals
- Easy to fit in container and recycle.

## **Benifits**

- More economical than ISO tankers, drums and totes
- Lowest possible trip cost
- Multi-skin maximizes product protection
- Easy to fit into container and dispose of
- Easy load and discharge with standard industry fittings
- Minimal heel or residue

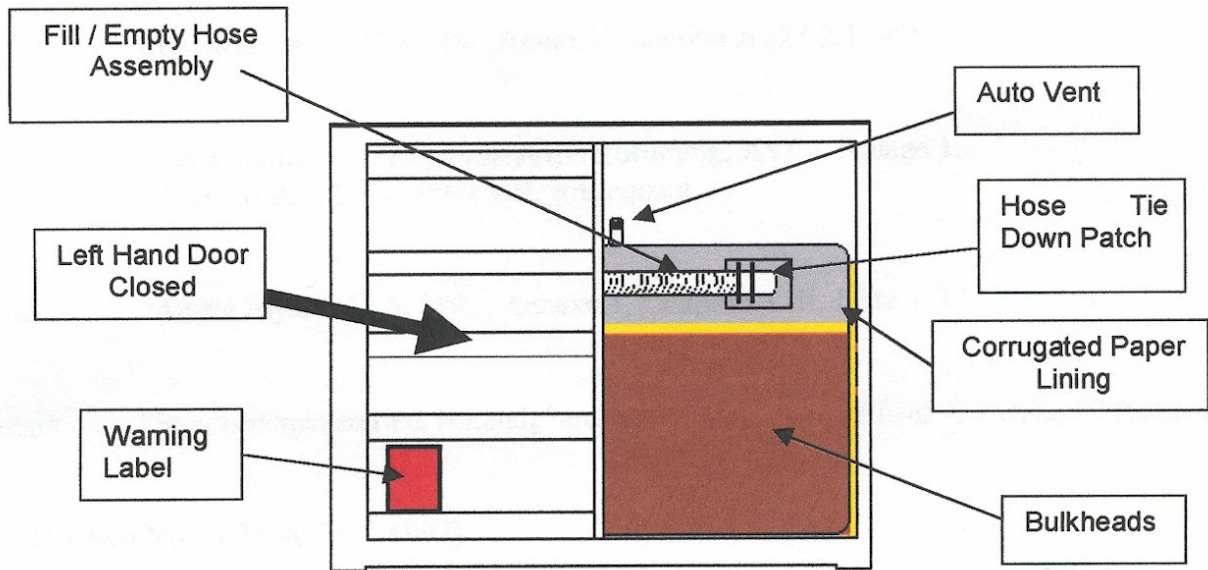
### Technical Specifications

**The Flexitank is constructed from Multi-layered, ultra high tensile, multi-ply, ethylene co-polymers**

DESCRIPTION	TYPICAL CHARACTERISTICS
Fabric weight	220 gsm
Total weight	740 gsm
Tensile strength, weft:	250 Kg/5cm
Tensile strength, warp:	250 Kg/5cm
Tear strength, Warp:	110 N
Tear strength, Weft:	90N
Low Temperature Flexibility:	-20 °C / -4 °F
High Temperature Flexibility:	70 °C / 158 °F
Dart Impact (ASTM D1709)	>1260 g
Melt Point Index	0.8
Elongation MD (ASTM D882)	745%
Elongation TD (ASTM D882)	750%
<b>CERTIFICATIONS</b>	
This Flexitank is made in compliance with the FDA regulations and the German BGA.	
<b>RECOMMENDED USE:</b>	
Single use of flexitank for foodstuff, pharmaceutical, chemical or industrial products.	

**Barrier Film -- Polyamide**

Thickness (mm)		0.094 (0.081 – 0.105)
Dart drop		884
Tensile Strength (Mpa)	MD	42.2
	TD	40.1
Elongation (%)	MD	400
	TD	435
Yield (Mpa)	MD	17.7
	TD	17.5
Tear resistance (g/u)	MD	3.5
	TD	4.9
OTR (cc / m / day)		32
At 23 C 75%RH		



The Flexitank (as with all flexi tanks) is not approved for hazardous products and so only carries non-regulated liquids – essentially those products not classified as hazardous by IMDG.

## CERTIFICATIONS

### **Food Contact approvals for the “Tuff” Tank**

EU	EU-Directive 90/128/EEC, Annex II, Section A (23.2.1990)
Austria	“Verordnung Nr. 775 (Kunststoffverordnung, KVO), Anlage 1, Abschnitt A” (23.9. 1994) incl. Subsequent
Belgium	“Arrêté royal – 11.5 1992, Annexe 1, Chapitre VIII, Liste 1-3”
Denmark	“Sundhedsministeriets bekendgerelse nr 931, Bilag 2, Afsnit A + Bilag 3” (6.12. 1995).
Finland	Decree No. 1071/96 (2.1. 1997)
France	Brochure n 1227, Journal Officiel de la Republique Francaise (1997)
Germany	a) “Bedarfsgegenstandeverordnung vom 23. Dezember 1997, Anlage 3, Abschnitt A”
Great Britain	a) The plastic Materials and Article in Contact with Food Regulations 1992 (S.I. 1992 No. 3145), Schedule 1, Section A (10.12.1992) b) BPF/BIBRA Code of Practice, Polymer Specification 4 (1991)
Switzerland	“Kunststoffverordnung (KsV), Anhang, Liste 1, Teil A” (26.6. 1995)
USA	US FDA and cosmetic act reg 21 CFR 177.1520 © 3.2 <sup>a</sup> of the FDA 1997 further, CONEG (Coalition of North Eastern Governors) Amount of Pb, Cd,Cr –V1 and Hg < 0.01%

### Typical Flexitank- able Products

<b>Food Products</b>	<b>Industrial / Chemicals</b>
Flat Beer	Lube Oils
Animal Oils	Transformer Oils
Beer Syrup Concentrate	White Oils
Caramel Coloring	Silicate Binder
Egg – Liquid	Natural Latex
Fruit Juices	Synthetic Latex
Glucose	QUAB
Jam	Polyol
Malt Extract	Glycol
Milk	Ammonium Thiosulphite
Water	Base Oils
Sauces	Detergents
Sugar Syrup	Glycerine
Vegetable Oils	Adhesives
Wine	Emulsions
Corn Oil	Water Based Paints
Olive Oil	Hair Shampoos/Conditioners
Palm Oil	Mineral Oils
Sorbitol	Lanolin
Dark Soy Sauce	Plasticisers (Limited)
Fish Sauce	Tall Oil Fatty Acid
	Pharmaceutical Ingredients
	Ti-pure Rutile Paper Slurry
	Optical Brightener

**Empty flexi Bag inside container**



**Filled flexitank in container**



## Containerliner

We supply container-inlets for 20', 30' und 40' bulkcontainer.

This inlets consist of transparent or electrically PE-film as well as of composite films. By attachment of different mountings, e.g. snap hooks, eyelets, rubber bands etc., the safe stop of the liner in the container is guaranteed. By demand, the inlets will be delivered with a cardboard or fabric back plane, which provides good conditions for the emptying and better stabilization in non-bulk-containers. The installation of the liner into the container can also be handled by ourselves near the port of Antwerp/Belgium.

We exclusively supply according to the desires and requirements of our customers. Contact us - in close co-operation with you, we create the containerliner, which corresponds to your requirements.



## **Specifications**

### **1. Brief description:**

Polyethylen-Container-Inlett.  
Suitable for the protection of bulk material.

### **2. Qualities:**

PE-Container-Inlett made of a 0.140 mm LDPE-Foil.

### **3. Used standards:**

EN ISO 527-1, EN ISO 527-3; DIN 53370; DIN EN ISO 14644-1

### **4. Variables:**

Dimensions	2450 x 2420 x 8950 mm
Foil strength	0.140 mm
Foil firmness / lengthwise	> 15 Mpa
Foil firmness / transverse direction	> 15 Mpa
Foil stretch / lengthwise	> 450 %
Foil stretch / transverse direction	> 550 %
Weld firmness	> 9 Mpa
Rubber band firmness	> 172 N
Rubber band stretch	> 500 %
Firmness rubber band on a picot	> 172 N

In this data sheet are stated benchmarks. These values can be influenced by the condition of the process, modifications, material additives and environmental impacts and do not acquit the use of own testing and trials. They are compiled on the basis of actual experiences and knowledge.



## Applications

Container liners can be used for container transportation of:

Flour	Coffee	Sugar
Cereals	Polymer granules	Solid acids
Talcum powder	Malt	Rice
Cocoa beans	Powder milk	Cereals
Chocolate crumb	Chemicals	Animal feeds