

# FLEXITANK ACCESSORIES

## 1. Heating Pad

The Heating Pad is used to liquefy solidified cargo at point of discharge. It provides heat transfer through tubes made from EPDM extruded rubber. Maximum heat input is 124°C and maximum pressure is 300PSI (20 Bar). This is provided by wet low pressure steam. The unit can be re-used if units not abused in return transit.

The following are heating rates for 18,000 liters Flexitank loaded with palm oil

- **Ambient Temperature above 27°C**  
104°C wet steam\* and a 30°C elevation in temperature. Product will heat in 48 hours
- **Ambient Temperature between 16-27°C**  
104°C wet steam\* and a 30°C elevation in temperature. Product will heat in 72 hours
- **Ambient Temperature between 4-16°C**  
104°C wet steam\* and a 30°C elevation in temperature. Recommended container is installed with Envirotough Liner (ETL). Product will heat in 72 hours

\* Use gentle heat that will not cook product

Heating Pad Specifications	
Description	Measurement/Weight
Length	5.2 meter
Width	2.1 meter
Weight	15 kg
Inner Diameter	12 mm
Outer Diameter	22 mm

## 2. Insulation Liner

Temperature fluctuations that occur as the container travels through different climates can cause problems such as product spoilage and solid product solidification. Therefore, the Insulation Liner reduces the rate of temperature fluctuation enabling product to retain their original characteristics as much as possible.

Benefits of Insulation Liner :

- Easy handling
- Reduces temperature fluctuation
- Easy Installation
- ISO shipping containers compatible
- Packed environment maintained

Insulation Liner Specifications	
Description	Characteristic
Weight	175gsm ±20gsm
Thickness	200um ±20um
Water Vapor Transmission (ASTM F1249)	<0.09 g/m <sup>2</sup> /day
Emissivity (ASTM E408)	<0.03
Tensile Strength: TD (ASTM D 882)	550-750 (N/50mm)
Tensile Strength: MD (ASTM D 882)	650-850 (N/50mm)
Elongation: TD	15%-25%
Elongation: MD	25%-35%
Tear Strength: TD (ASTM D 1004)	35-50
Tear Strength: MD (ASTM D 1004)	35-45
Puncture Test (ASTM D 4833)	230-270N

## 3. Tub Liner

Tub Liner is the most effective and efficient liner-container for spillage and leakage of Flexitank

- It is made out of 125 micron Polyethylene
- Acts as a protective layer for the Flexitank
- The contained leakage can be recovered by pumping it out – less wastage
- Losses can be measured accurately as we can weight the tub with or without the spillage
- Leakage is contained within the Tub Liner and container will be free from liquid stain and eliminate the cost of cleaning
- Recyclable and complete biodegradable

Tub Liner Specifications	
Description	Measurement/Weight
Length	5,800 mm
Width	2,400 mm
Height	1,350 mm
Weight	6 kg
Thickness	Single layer 170 micron