

TEST CERTIFICATE OF FIBC

Report No. : CII/IDR/R/08677 COTECNA REF. NO. IN2001480-2

Issued Date : 29/05/2020

Samples of FIBC Bags submitted by our principal M/s. ESSBEE POLY TARPS PVT LTD, Madhya Pradesh, India for the testing as detailed here under.

Bag Reference No. : COT/IND/FIBC/051/20 SWL: 1000 Kgs Safety Factor: 5:1

: COT/IND/FIBC/052/20 SWL: 1000 Kgs Safety Factor: 5:1

Manufacturer : ESSBEE POLY TARPS PVT LTD

Testing required for : Flexible Intermediate Bulk Container (FIBC) submitted by Manufacturer, for the transport of Non- Dangerous Goods -- SWL = 1000 Kgs Safety Factor = 5:1 Single Trip, Family Report, As per EN ISO 21898

**Sample submitted By : ESSBEE POLY TARPS PVT LTD
PLOT NO. 200, SECTOR I, PITHAMPUR INDUSTRIAL AREA, DHAR,
MADHYA PRADESH, INDIA**

Sample submitted on : 22/05/2020

Submitted samples was tested by our approved subcontractor and reported as under,

Date of Testing : 26/05/2020

FIBC Construction :

**Test # 051 : Base (90 x 90 Cms) x Height 90 Cms (OD)
Flexible intermediate bulk container (FIBC) produced from 130 GSM.
PP/white/130 GSM/Uncoated/U+2/Top Open/Bottom Spout Dia 35 Cms and Height 50 Cms.**

**Lifting by 4x30 Cms Standard Corner Loops, width 45 mm.
Long arm on the body 60 Cms, Short arm on the body 30 Cms, Webbing weight 30 Grm/Mtr., We Webbing sewn on vertical seam by Hiracle + Safety Stitching.**

**Test # 052 : Base (90 x 90 Cms) x Height 180 Cms (OD)
Flexible intermediate bulk container (FIBC) produced from 130 GSM.
PP/white/130 GSM/Uncoated/U+2/Top Open/ Bottom Spout Dia 35 Cms and Height 50 Cms.**

**Lifting by 4x30 Cms Standard Corner Loops, width 45 mm.
Long arm on the body 110 Cms, Short arm on the body 30 Cms, Webbing weight 30 Grm/Mtr., Webbing sewn on vertical seam by Hiracle + Safety Stitching.**

Test Standard : Testing according to the EN ISO 21898 Single Trip FIBC.

Sample Selection : Testing was carried out on four samples submitted by the applicant.

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Details of Testing

Test Conditions: : According to EN ISO 21898, Used recycled P.P. Granules.

Test # 051: : **1. Annex B (Cyclic Top Lift Test)**
Sample was subjected to cyclic test as per Para B.3
30 Cycles at 2:1(2000 Kg) - OK
31st Cycle to destruction: When applied a load of 5022 Kgs the bag failed due to burst of spout.
Result: Bag passed for 1000 kilo 5:1 Safety Factor.

2. Annex C (Compression Test)
Sample was subjected to Compressions SWL x 4 = 4000 Kg for Six Hours - No Loss of Material seen.
Result: Bag Passed.

Test # 052: : **1. Annex B (Cyclic Top Lift Test)**
Sample was subjected to cyclic test as per Para B.3
30 Cycles at 2:1(2000 Kg) - OK
31st Cycle to destruction: When applied a load of 5095 Kgs the bag failed from the place of spout round stitching.
Result: Bag passed for 1000 kilo 5:1 Safety Factor.

2. Annex C (Compression Test)
Sample was subjected to Compressions SWL x 4 = 4000 Kg for Six Hours - No Loss of Material seen.
Result: Bag Passed.

Comments : This report refers to two tests on each sample No. 051 & 052 as mentioned above considered together to show compliance requirements of EN ISO 21898 standard. These two samples refer to a family of the bags between a height range of 90 Cms to 180 Cms.

Validity **This report shall be valid from the date of testing 26/05/2020 & expiry date shall be 25/05/2023 only.**

Samples not drawn by Cotecna. Testing was performed by our approved subcontractor on the sample(s) submitted to us by our Principal hence Cotecna's liability is limited upto the extent of accurate reporting of test results delivered by our subcontractor. Results reported in this report cannot be reproduced in parts or full without permission of Cotecna. Cotecna shall not be responsible for any variation in test results performed on any other sample.

Enclosures Issued on 29/05/2020 and signed at Indore on behalf of
COTECNA INSPECTION INDIA PVT. LTD.

Annexure –A - Test diagram

Annexure –B - Direction for use and conditions

The authenticity of this document may be verified at <http://www.cotecna.com/en/Tools/E-Dox/>

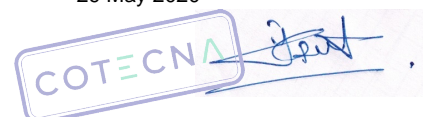
This certificate is only valid if presented in original and printed on security paper or issued on Cotecna's Edox system and received in its digital format. Copies of this certificate are not valid unless accompanying its original.

This inspection has been performed on the goods for which it was requested according to our professional standards and to the best of our knowledge on the date and at the place it was performed, within the scope of instructions received. This inspection does not release seller(s) and/or supplier(s) and/or shipper(s) and/or other parties involved from their respective contractual obligations and does not prejudice the buyer(s)/receiver(s)' right to claim, under applicable law and contract, compensation from seller(s)/supplier(s)/shipper(s) regarding any defects not detected during our inspection or occurring thereafter. This inspection is also subject to COTECNA Terms and Conditions of Business 2018."(<http://www.cotecna.com/en/About-Cotecna/Terms-Conditions>). Headings and titles in this certificate/report are for reference only and the findings contained herein prevail as stated.

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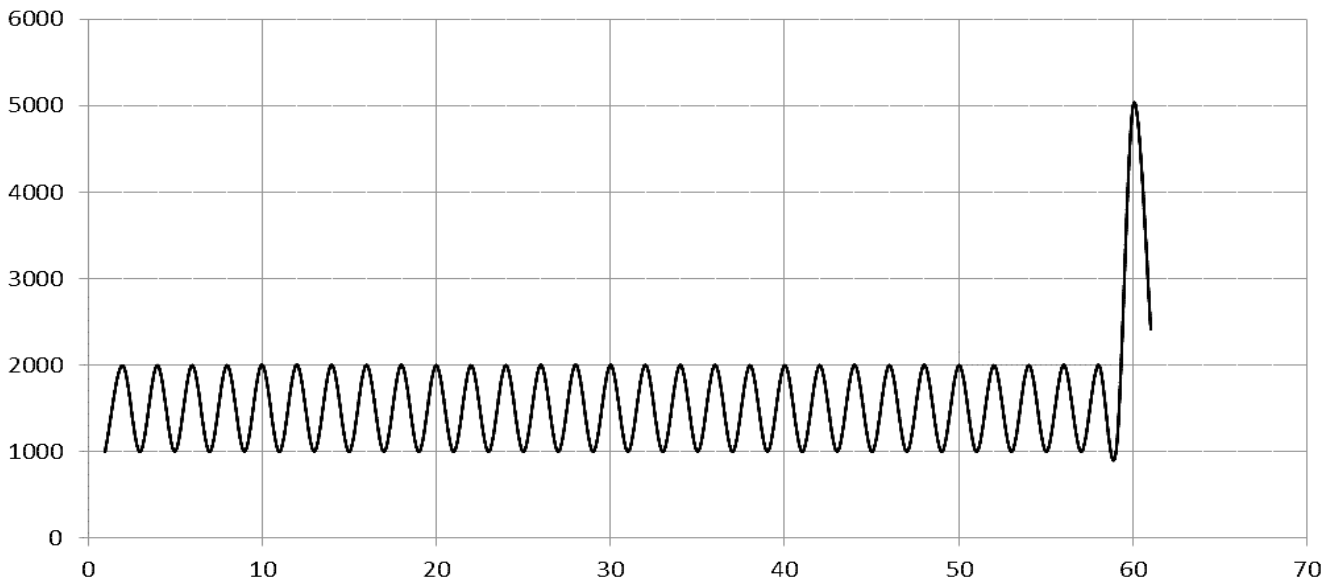


ANNEXURE – A
Test Diagram

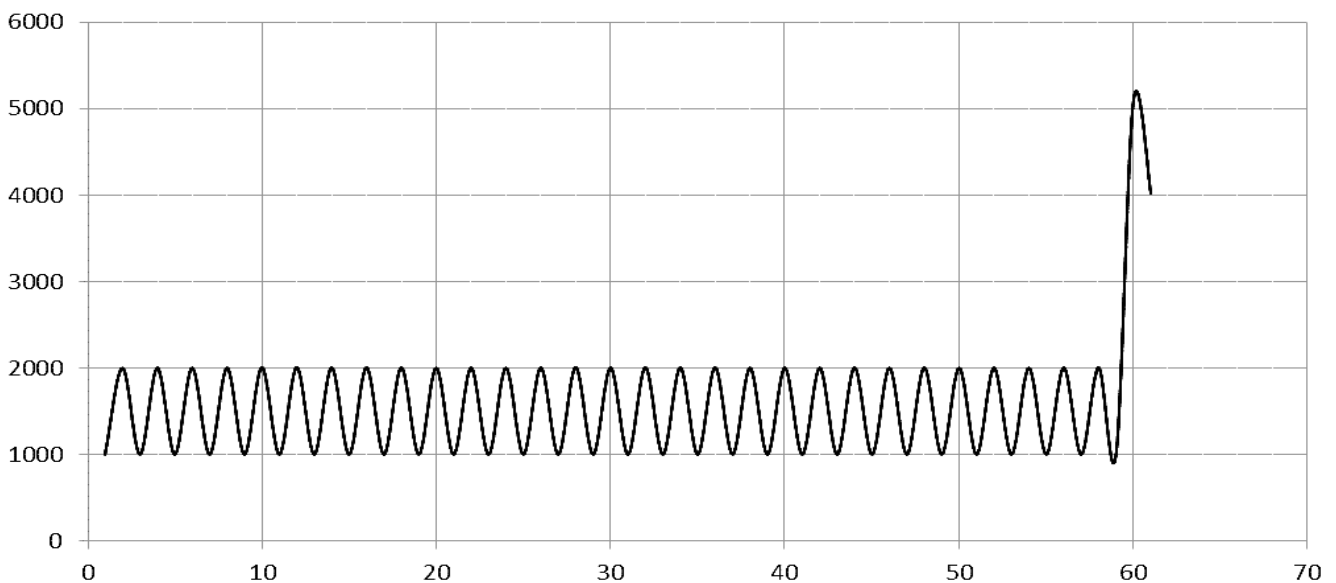
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Cyclic and Load To Failure – Graph Test # 051



Cyclic and Load To Failure – Graph Test # 052

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Annexure –B

Report No. : CII/IDR/R/08677

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Directions for use of this Report

This report covers FIBCs of similar design, manufactured using similar material and methods of construction as mentioned in this Report and dimensions as listed below and in the Report. The use of other methods or components may render the report invalid.

Permitted	Not Permitted
Base with discharge spout dia 35 Cms and Height 50 Cms	Discharge spout more than dia 35 and height less than 50 Cms
Base dimensions of between 90 Cms x 90 Cms and 99 Cms x 99 Cms.	Base dimensions smaller than 90 cm x 90 cm. Base dimensions larger than 99 cm x 99 cm.
Bag heights of between 90 Cms and 180 Cms.	Bag heights lower than 90 Cms. Bag heights larger than 180 Cms.
Use for one filling and one discharge only.	Re-use of the FIBCs.
Open top or any other design of top construction.	Use after expiry date of this report: 25/05/2023
Use for tested SWL.	Higher filling than SWL.

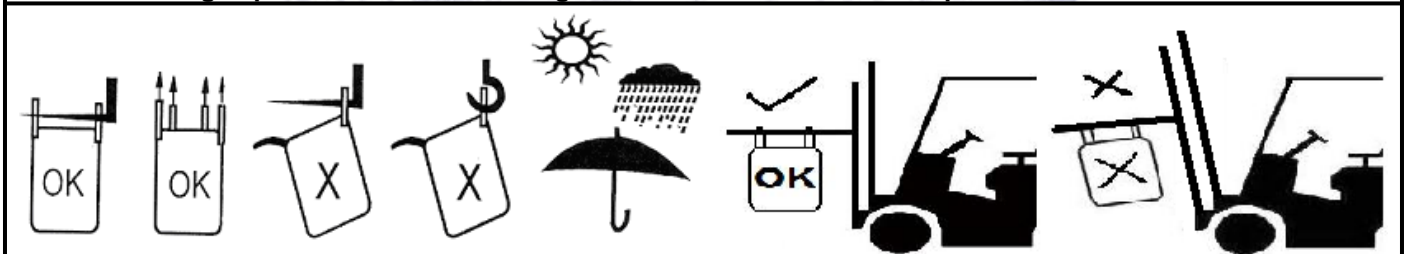
Label

All FIBCs produced should have a label attached to these with permanent marks. The label should be easily visible and legible. The layout can be changed.

Manufacturer's Name & Address and Logo	
Manufacturer's reference (unique to the hereby certified FIBC)	
	SWL 1000 Kgs Safety Factor 5:1
Logos of memberships etc.	Test Report No. : CII/IDR/R/08677
	Test Report Date : 29/05/2020
	Approved By : COTECNA Inspection India Pvt. Ltd.
	Test Standard : EN ISO 21898
	FIBC Class : Single Trip
	Date FIBC manufactured:

Handling Recommendations:

Read the label carefully before use. Don't exceed SWL. Please inspect Multi trip FIBC before re-use. Please check Discharge spout closed before filling. Avoid Snatch Lift & Jerk Stops.



Supplier's Name Address (if required)

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