



LABORATORY TEST REPORT

Form / Format No.: 32
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Test Report No. : IIP/8704/18/LAB/IBC/ Date: 21 March, 2018.

1. Title of test : Cyclic Top Lift Test + Final Load to Failure

2. Sample received from: M/S. PLATINIUM TIE-UP PVT. LTD.
a) Name & Address : BLOCK NO. 214, VILLAGE: SOKLI,
TALUKA: VIRAMGAM-382 150
AHMEDABAD, INDIA.

b) Contact Person : -

3. Ref. No. & Date : Letter dated 14/03/2018

4. Sample Details : One set (3 Nos.) of flexible intermediate bulk containers (FIBC) said to be 160 g/m² plastic fabric for multi trip (6:1) with safe working load (SWL) of 1000 kgs. and having outer dimensions of 90 cm x 90 cm x 125 cm (L x W x H) with discharge spout.

Construction : Four loops construction and said to be made of plastic fabric having 160 g/m².

(Sampling done by the party)

...2.

TESTED BY *RM/*

ASST. DY. JT. DIRECTOR

DR. S. HEAD
LABORATORIES DIVISION

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Testing laboratories of Mumbai are certified by ISO 9001: 2015, NABL, BIS, Directorate General of Shipping and Directorate General of Civil Aviation. Govt. of India for specified tests.

Head Office: Plot E-2, Road No. 8, MIDC Area, Andheri (East), Mumbai 400093

Tel: +91-22-2821 9803 / 6751 / 9469, 28391506, 28329623, 28254631, Fax: +91-22-28328178 / 28375302 Email: rdiip@iip-in.com, Website: www.iip-in.com



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Test to be conducted : Cyclic Top Lift Test + Final Load to Failure

CYCLIC TOP LIFT TEST AND LOAD TO FAILURE

The FIBC sample is filled with plastic granules upto the approx. height of 95% and then load is applied with piston and pressure plate. The load is set to 2000 kg. i.e. SWL x 2 and 30 cycles of load is applied and then final test cycle with a rate of load application 70 ± 20 kN/min is applied upto the failure of the sample.

Safe Working Load (SWL)	Set value (During Cyclic) (SWL x 2)	Safety Factor 6:1	Load upto failure (Peak Value)
1000 kg.	2000 kg.	6000 kg	6985 kg

RESULTS : No visible damage on observed in the test sample upto the load of 6985 kg.

Test Condition : At ambient temperature.

Test Conducted As Per : IS: 14738-2005 (Part-3 & Part-4).

TESTED BY

ASST./DY./JT. DIRECTOR

DR. S. K. Chattopadhyay
Prof. & Ad. HEAD of Director
LABORATORIES DIVISION

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Test Report No. : IIP/8705/18/LAB/IBC/ Date: 21 March, 2018.

1. Title of test : Cyclic Top Lift Test + Final Load to Failure

2. Sample received from: M/S. PLATINIUM TIE-UP PVT. LTD.
a) Name & Address BLOCK NO. 214, VILLAGE: SOKLI,
TALUKA: VIRAMGAM-382 150
AHMEDABAD, INDIA.

b) Contact Person : -

3. Ref. No. & Date : Letter dated 14/03/2018

4. Sample Details : One set (3 Nos.) of flexible intermediate bulk containers (FIBC) said to be 180 g/m² plastic fabric for multi trip (6:1) with safe working load (SWL) of 1250 kgs. and having outer dimensions of 90 cm x 90 cm x 125 cm (L x W x H) with discharge spout.

Construction : Four loops construction and said to be made of plastic fabric having 180 g/m².

(Sampling done by the party)

...2.

TESTED BY *Rm/-*

[Signature]
ASST./DY. JT. DIRECTOR

[Signature]
DR. S. K. Chattopadhyay
Prof. & Additional Director
HEAD
LABORATORIES DIVISION

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CYCLIC TOP LIFT TEST AND LOAD TO FAILURE

The FIBC sample is filled with plastic granules upto the approx. height of 95% and then load is applied with piston and pressure plate. The load is set to 2500 kg. i.e. SWL x 2 and 30 cycles of load is applied and then final test cycle with a rate of load application 70 ± 20 kN/min is applied upto the failure of the sample.

Safe Working Load (SWL)	Set value (During Cyclic) (SWL x 2)	Safety Factor 6:1	Load upto failure (Peak Value)
1250 kg.	2500 kg.	7500 kg	7985 kg

RESULTS : No visible damage on observed in the test sample upto the load of 7985 kg.

Test Condition : At ambient temperature.

Test Conducted As Per : IS: 14738-2005 (Part-3 & Part-4).

TESTED BY *Rmf*

[Signature]
ASST./DY./JT. DIRECTOR

[Signature]
DR. S. K. Chattopadhyay
Prof. & Additional Director
LABORATORIES DIVISION

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1. Title of test : Cyclic Top Lift Test + Final Load to Failure

2. Sample received from: M/S. PLATINIUM TIE-UP PVT. LTD.
a) Name & Address : BLOCK NO. 214, VILLAGE: SOKLI,
TALUKA: VIRAMGAM-382 150
AHMEDABAD, INDIA.

b) Contact Person : -

3. Ref. No. & Date : Letter dated 14/03/2018

4. Sample Details : One set (3 Nos.) of flexible intermediate bulk containers (FIBC)
said to be 200 g/m² plastic fabric for multi trip (6:1) with safe
working load (SWL) of 1500 kgs. and having outer dimensions of
90 cm x 90 cm x 140 cm (L x W x H) with discharge spout.

Construction : Four loops construction and said to be made of plastic fabric
having 200 g/m².

(Sampling done by the party)

...2.

TESTED BY *Rm/*

[Signature]
ASST./DY./JT. DIRECTOR

[Signature]
DR. S. K. Chattopadhyay
Prof. & Asst. Director
HEAD
LABORATORIES DIVISION

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Date: 21 March, 2018.

Test to be conducted : Cyclic Top Lift Test + Final Load to Failure

CYCLIC TOP LIFT TEST AND LOAD TO FAILURE

The FIBC sample is filled with plastic granules upto the approx. height of 95% and then load is applied with piston and pressure plate. The load is set to 3000 kg. i.e. SWL x 2 and 30 cycles of load is applied and then final test cycle with a rate of load application 70 ± 20 kN/min is applied upto the failure of the sample.

Safe Working Load (SWL)	Set value (During Cyclic) (SWL x 2)	Safety Factor 6:1	Load upto failure (Peak Value)
1500 kg.	3000 kg.	9000 kg	9254 kg

RESULTS : No visible damage on observed in the test sample upto the load of 9254 kg.

Test Condition : At ambient temperature.

Test Conducted As Per : IS: 14738-2005 (Part-3 & Part-4).

TESTED BY *Rmf*

[Signature]
ASST. DIR. / JT. DIRECTOR

[Signature]
DR. S. K. Chattopadhyay
Prof. & Additional Director
HEAD
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