

LABORATORY TEST REPORT

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<b>Issued To:</b> M/s. Modweave International Pvt. Ltd Block No. 214, Village: Sokli, Taluka: Viramgam, Dist. Ahmedabad, Viramgam - 382150 Gujarat	<b>ULR No</b>	TC866821000000359F
	<b>Test Report No</b>	IIP-AHD/01/02-2021/282
	<b>Date</b>	01 March 2021
	<b>Date of Start of Test</b>	25 Feb 2021
	<b>Date of Completion of Test</b>	26 Feb 2021
	<b>Customer Ref. No /Date</b>	Email / 23 Feb 2021
	<b>Sample Registration Date</b>	25 Feb 2021
	<b>Sampling Plan</b>	Sampling done by the party

**Sample Description:** One sample (1 no.) of Flexible Intermediate Bulk Container (FIBC) said to be of Size (Ext.): (90 x 90 x 90) cm, having the following specifications given by the party:

SWL: 1000 KG, SF: 5:1, Top open, Bottom flat, Loop height: 30 cm, 28 GPM belt, 130 GSM Gram fabrics.

**Discipline / Group:** Mechanical Testing / Plastics & Plastic Products

**Title of the test:** Cyclic Top Lift & Load to Failure

The FIBC bag was suspended by four loops, filled with plastic granules and then a downward force was applied progressively with pressure plate on top of the plastic granules.

For cyclic top lift, a load of 2000 kg was applied i.e., SWL x 2 for 30 cycles and after 30 cycle, the load was applied up to the failure of bag.

Safe Working Load (SWL)	Set value (During 30 Cycles)	Safety Factor 5:1	Load up to failure (Peak Value)
1000 kg	2000 kg	5000 kg	5104 kg

**Result:** No visible damages were observed to the FIBC up to the load of 2000 kg during 30 cycles. However, the bag was torn from bottom seam at the peak load of 5104 kg which is more than the safety factor load 5000 kg (SF 5:1)

**Conclusion:** PASSES THE TEST

**Test done as per:** ISO 21898: 2004

**General Remarks**

1. This test report cannot be reproduced except in full, without written approval of the laboratory. This is not applicable when part report is given due to failure of the machine or test in progress.
2. Sampling done by the party. The test samples are submitted by the client. The sample descriptions provided in the test report are based on declaration by the party.
3. This report pertains to the submitted samples only.

-----End of Test Report-----

TESTED BY 

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ASST./DY. DIRECTOR

  
01/03/2021  
**Dr. AMIT SINGLA**  
Joint Director & Centre Head  
AUTHORISED SIGNATORY

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