

COMPREHENSIVE CERTIFICATE OF TEST

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Mechanical Testing Facility

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(Test Engineer)

TESTING OF A TYPE 'MT-1' SINGLE-TRIP FLAT WOVEN POLYPROPYLENE FIBC DESIGN TO THE EFIBCA STANDARD 005 : 1985

Certificate Holder Mittal Technopack Pvt. Ltd, 14 Bentinck Street, 2nd Floor, Gujarat Mansion, Kolkata-700001, India.

Plant Address Jalan Industrial Complex, Lane No. 5, Gate No. 3, Sankharidaha, Domjur-Howrah, India.

Date(s) of Receipt 26 August 2004

Date(s) of Test 1-3 September 2004

Sample Ref. MSCQ 1-3

Project No. FIB400

FIBC Description 90² x 100 cm high Flexible Intermediate Bulk Container (FIBC). 90 cm fill height. Produced from flat woven polypropylene fabric. 'U' + 2 side panel construction. Lifted on 4 x 50 mm 1250kg polypropylene webbing loops, sewn down 40 and 70 cm externally into corner seams. 30 cm loop height. Open top. Plain square integral base. 4000 denier polypropylene overedge/chain stitching (body/base/loops). 50mm external body/base hems. 150 g/m² polypropylene body/base fabric.
1000 kg SWL / 5:1 SF.

Test Standard Testing was carried out in NEL test machines D5 and D7 using the methods in accordance with the performance requirements of the EFIBCA Standard 005 : 1985.

Sample Selection Testing was carried out on three samples supplied by client.

Table of Results

REFERENCE	TEST DESCRIPTION	MIN. / TEST LOAD	TEST No.	DATE
Paragraph 4.1	30 cycles at 2:1 (2,000 kgf.), 31st cycle to SWL x 5	51.4 kN (5,241 kgf.)	MSCQ01	01/09/04
Paragraph 4.1	30 cycles at 2:1 (2,000 kgf.), 31st cycle to SWL x 5	51.1 kN (5,210 kgf.)	MSCQ02	01/09/04
Paragraph 4.2	Compression to SWL x 4 (4,000 kgf.) for 1 minute	39.4 kN (4,017 kgf.)	MSCQ03	03/09/04
Paragraph 4.2	Compression to SWL x 4 (4,000 kgf.) for 1 minute	39.4 kN (4,017 kgf.)	MSCQ04	03/09/04

Comments This certificate refers to a series of four tests which, when taken together show compliance with the performance requirements of the EFIBCA Standard 005 : 1985. The test graphs MSCQ01 - 04 have been reproduced on page 2 overleaf.

Distribution

Mittal Technopack Pvt Ltd	1 copy
Project File - NEL	1 copy

Tested by A. Brown.....

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QC5/JAN01

