

**सिपेट : सेन्टर.फॉर स्किलिंग एण्ड  
टेक्निकल सपोर्ट (सी एस टी एस)**

रसायन एवं पेट्रोसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
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**CIPET : CENTRE FOR SKILLING AND  
TECHNICAL SUPPORT (CSTS)**

Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
SP-1298, Sitapura Industrial Area,  
Phase-III, Tonk Road, Jaipur-302 022  
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Head Office : CIPET, Guindy, Chennai-600 032

**PLASTICS TESTING CENTRE**

**TEST CERTIFICATE**

**Issued to:**

**M/s. Lamifab Industries  
Plot No. : 4702/03/04/05/4604/05,  
G.I.D.C, (Plastic Zone), Sarigam Taluka,  
Umargaon, Dist. - Valsad,  
Gujarat, India**

**ULR-TC708219000000738P**

**TEST REPORT NO. : 318**

**Dated : 08.06.2019**

**Your Ref. No.& Date : Lami/18-19/210, Dt. 05.02.2019  
W.O. No. : 1946**

**Test Report as per Standard: As per IS 15907:2010**

**PART - A**

**PARTICULARS OF SAMPLE SUBMITTED**

a) Name of Sample	: HDPE Woven Beds for Vermiculture
b) Grade/Variety/Type/Size/Class	: --
c) Declared Value, if any	: --
d) Code No.	: --
e) Batch No. and Date of Manufacturing	: --
f) Quantity	: 01 No.
g) Mode of Packing	: --
h) Sealed or not	: --
i) Date of Receipt	: 29.03.2019
j) Date of completion	: 07.06.2019
k) Any other information	: --

**PART - B**

**SUPPLEMENTARY INFORMATION**

I. Reference to sampling procedure	: NIL
II. Supporting documents for the measurement taken and result derived	: NIL
III. Deviation from the test method as prescribed in relevant work instruction if any	: NIL

**Ambedkar**  
Page 1 of 4

केन्द्र : अहमदाबाद, अमृतसर, औरंगाबाद, अगस्तला, बर्ही, बालासोर, बैंगलुरु, भोपाल, भुवनेश्वर, चंद्रपुर, चेन्नई, देहरादून, गुवाहाटी, गुरुग्राम, ग्वालियर, हैदराबाद, हाजीपुर, हल्दिया, इम्फाल, जयपुर, कोच्ची, लखनऊ, मदुरै, मुरथल, मैसूरु, रायपुर, राँची, वलसाड एवं विजयवाडा

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TEST REPORT NO. : 318

Dated : 07.06.2019

**PART - C  
TEST RESULTS**

**Sample:** HDPE Woven Beds for Vermiculture as per IS 15907:2010 with latest amendment 1& 2

S. No.	Clause	Name of Test	Unit	Specified Requirement	Test Value
1.	4.2	Identification of Fabric	--	HDPE	High density Polyethylene (HDPE)
2.	4.3.1 & Table 1	Identification of Laminated fabric	--	LDPE	Low density Polyethylene (LDPE)
3.	4.3.2	Laminating layer & Joints	--	Shall be multilayer and jointed by sandwich lamination	The Sample is multilayer and jointed by sandwich lamination
4.	4.4	Cord Beading	mm	6.0 (min.)	6.08
5.	5.2.1	Visual Appearance	--	The panels shall be flat (overlap) joined the top edges of be shall be hemmed by heat sealing along with rope.	The panel is flat (overlap) jointed the top edges of bed is hemmed by heat sealing along with rope.
		Hem width	mm	40 (min.)	40
		Net windows number	Nos.	Both side (3+3)	6
		Net window size	mm x mm	250 x 150	260 x 150
		Net windows	--	Shall be polyethylene & heat sealed at equidistance along the periphery of the bed.	Net window are polyethylene & heat sealed at equidistance along the periphery of the bed.
		Outlet	--	Shall be polyethylene & heat sealed at bottom in one corner.	The outlet is polyethylene is heat sealed at bottom in one corner
		Outlet size	mm x mm	40 x 100	40 x 100



Page 2 of 5

*Ambika*

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**PART - C  
TEST RESULTS**

**Sample: HDPE Woven Beds for Vermiculture as per IS 15907:2010 with latest amendment 1 & 2**

S. No.	Clause	Name of Test	Unit	Specified Requirement	Test Value
6.	5.2.2	Support pockets	--	Shall provided along the periphery of the bed and running across the full height of the bed	<b>Support pocket are provided along the periphery of the bed &amp; running across the full height of the bed.</b>
		Support pockets number	Nos.	14	14
		Support pockets size	Mm	120	120
7.	5.3	Bonding	--	Shall be heat sealing process keeping an overlap of at least 2.5 cm	<b>Bonding is done by heat sealing process by keeping an overlap of 2.62 cm</b>
8.	6.0 (Table 1)	Mass	g/m <sup>2</sup>	340	386
9	6.0 (Table 1)	Breaking strength a)Before UV Exposure (min.)	N	1900 (warp) 1300 (weft)	1932 1740
		Breaking strength b)After UV Exposure (min.) for 144 hrs.	N	85% of original actual value	<b>(Warp) 1630 (Weft) 1581</b>
10	6.0 (Table 1)	Elongation at break	%	20± 5	23
11.	6.0 (Table 1)	Welded seam breaking strength a)Before UV Exposure (min.)	N	65% of original actual value	1420
		b)After UV Exposure (min.) for 144 hrs.	N	85% of original actual value	1219
12	6.0 (Table 1)	Tear Strength (min.)	N	100( warp) 100( weft)	115 109
13.	6.0 (Table 1)	Puncture Strength (min.)	N	325	336



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एक साथ समझते हैं और

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TEST RESULTS**

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S. No.	Clause	Name of Test	Unit	Specified Requirement	Test Value
14.	6.0 (Table 1)	Environment stress cracking test	--	There shall be no evidence of stress cracking.	No cracking or crazing observed.
15.	6.0 (Table 1)	Resistance to chemical change in mass (max)			
		In H <sub>2</sub> SO <sub>4</sub>	%	0.1	0.081
		In HCL	%	0.1	0.082
		In NaoH	%	0.1	0.06
		In Nacl	%	0.1	0.07
16.	6.0 (Table 1)	Colour fastness to artificial light	--	4 or better	Test in progress
17.	6.0 (Table 1)	Bursting pressure	(min.)	35	38
18.	6.1	Dimensions			
		Height	mm	600+5,-2	603
		Length	mm	3600 +5,-2	3601
		Width	mm	1200 +5,-2	1202
		Mass	g/m <sup>2</sup>	340 (min)	386
19.	6.2	Water proofness			
		Before ageing	--	There shall be no leakage	No leakage
		After ageing ( at 70°C for 168 hrs.)	--	There shall be no leakage	No leakage
		Resistance to water penetration	--	There shall be no leakage	No leakage

**PART - D:**

REMARKS : NIL

**NOTE :**

1. The results related only to the items tested as supplied by the party.
2. The test certificate shall not be reproduced in full except without the written approval of the laboratory.

*Ambika*

**AUTHORIZED SIGNATORY**  
Ambika Joshi (Technical Manager)



**AUTHORIZED SIGNATORY**  
Dr. Irfan Ahmad Mir (Sr. Technical Officer)

Page 4 of 4

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