

सेन्ट्रल इन्स्टीट्यूट ऑफ प्लास्टिक्स
इन्जीनियरिंग एण्ड टेक्नाॅलाजी



CENTRAL INSTITUTE OF PLASTICS

ENGINEERING & TECHNOLOGY

(Department Of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)

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(रसायन एवं पेट्रोसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)

एच.सी.एल. पोस्ट, आई.डी.ए.,

फेस - २, चेरलापल्ली, हैदराबाद - ५०० ०५१.

दूरभाष : 040-27263750, 27263615,

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सिपेट / हैदराबाद / पीटीसी / 2017-18

CIPET/HYD/PTC/2017-18

सेवा मे.

To,

M/s Hi-Tech International,

Unit-III, Adj. Airport,

Sahnewal, Ludhian,

Punjab - 141 120

M:7696089526

थवसाय :- परीक्षण प्रतिवेदन - संदर्भ मे ।

Sub : Issue of test report

Ref : Your Letter No. Nil & dated: 23.05.2017

प्रिय महोदय, / Dear Sir,

उपरोक्त विशय के संदर्भ मे क्पया इस पत्र के साथ परीक्षण प्रतिवेदन सं :
1706637 दि: 12.06.2017 ण्तथा प्रतिपुष्टी प्राप्त संलग्नीय है । क्पया इसे भरकर
हमें वापस लौटा दे ।

With reference to the above cited subject, we are enclosing herewith Test Report No.1706637
dated: 12.06.2017 and Invoice. We are also enclosing herewith feedback form. Kindly fill it
and sent it back to us.

धन्यवाद तथा अच्छी सेवा के आश्तासन के साथ ।

Thanking you and assuring you of our best services.

आपका भवदिय, / Yours faithfully,

वि. किरण कुमार / (V.Kiran Kumar)

नीदेशक एवं प्रमुख / Director & Head

संलग्न : यथोक्त / Encl : As above



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(रसायन एवं पेट्रोसायन विभाग रसायन एवं उर्वरक मंत्रालय, भारत सरकार)

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Plastics Testing Centre



NABL

CERT No.

T-0828&0829

No.: 0129501

Test Certificate

Page 1 of 4

Date: 12.06.2017

Issued to: M/s.Hi-Tech International,
Unit-III, Adj. Airport,
Sahnawal, Ludhian,
Punjab - 141 120

Ref : Your Letter No. Nil & dated: 23.05.2017

TEST REPORT AS PER: IS: 14611-2016

REPORT NO : 1706637

PART A : PARTICULARS OF SAMPLE SUBMITTED

- a) Name of the Sample : HDPE Tarpaulin Multilayered (Blue Colour)
- b) Grade/Variety/Type/Size/Class : 150 GSM, 3 mtr x 3 mtr
- c) Declared values, if any : Roll No. 5098
- d) Code No. : Nil
- e) Batch No. and Date of Manufacture : 1001 & NIL
- f) Quantity : 3 mtr x 3 mtr
- g) Mode of Packing : PE Cover
- h) Seal : Nil
- i) Any other information : Samples received on 22.05.2017
- j) Date of initiation of testing : 24.05.2017
- k) Date of completion of testing : 12.06.2017

PART B : SUPPLEMENTARY INFORMATION

- a) Reference to sampling Procedure : Nil
- b) Supporting documents for the measurement taken and result derived : Nil
- c) Deviation from the test method as prescribed in relevant work instructions, if any : Nil



Test Certificate

No. 0129501

Continuation Sheet

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REPORT No.1706637
PART - C

TEST RESULTS
(As per IS:14611-2016)

S. No.	Clause	Test	Test Method	Specified Requirement	Results Obtained
1.	4.0	Types	IS:14611	Type MN	Medium
2.	5.	Construction i) Dimension (mm) (Length*width)	IS-7903-2011	As agreed between the purchaser and supplier 3000 x 3000	3040 x 2960
	5.1	ii) Shade or color of the Tarpaulin		Shall be made by adding the desired colour pigments.	Blue
	5.2	Sealing Bands (mm)		The panel shall be flat (lap) joined and heat sealed to each other with two sealing bands at a distance of 10mm between them	Confirmed
	5.3	Width of the hem (mm)	IS 14611	The ends and sides of the tarpaulin shall be folded 50mm and be hemmed by heat with two sealing bands with distance of 10mm there shall be no hemming in the sheets	Confirmed
	5.4	Width of Panels (mm)	IS 14611	The cross seal be made by flat (lap) joint & heat sealed with two sealing bands separated at distance of 10mm	Confirmed
3.	6.0	Requirements	IS 14611	The tarpaulin /covers shall be uniform in colour texture and finish and shall be substantially free from pin holes and particles of foreign matter there shall be no other visible defects such as holes tears or blister. the edges shall be free from nics and cuts.	Satisfactory
	6.1	Workmanship			
4.	6.3	Accelerated Ageing Test (after UV Exposure Type B for 192 hrs)	IS- 7016 Pt 8	The sample shall show no apparent deterioration like softening , stiffening, tackiness, brittleness, discoloration, and degradation .	Confirmed



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Test Certificate

Continuation Sheet

No.0129501

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REPORT No.1706637
PART - C

TEST RESULTS
(As per IS:14611-2016)

S. No.	Clause	Test	Test Method	Specified Requirement	Results obtained
5.	6.4	Water Proofness Test	IS- 7016 Pt 7	Shall not allow water to percolate through and not become wet on its outer surface.	Confirmed
6.	6.5	Strength of Joints /Seam	IS 14611 Annex c	The Joints /Seam shall be capable of withstanding a load of 2.5kg for one hour.	Confirmed
7.	6.6	Flex Test (a) Before Ageing	IS 7016 (Pt 4 & 8)	The Sample shall pass the flex test for Min.50000 Cycles	Confirmed
		(a) After Ageing (at 70°C for 168 hrs.)			Confirmed
8.	6.2 Table 1 Sl.No (i)	Total Mass per unit area, (g/m ²)	IS- 7016 (Pt 1)	120 to 150	150
9.	6.8 Table 1 Sl.No (ii)	Tensile Strength (kg/cm ²) Before Ageing	IS 13360 (pt 5/sec 1) & IS 13360 (pt 5/sec 3)	Min.250	250.98
		a) Longitudinal Direction			
10.	6.8 Table 1 Sl.No (ii)	Tensile Strength (kg/cm ²) After Ageing (at 70±1°C /168 hrs)	IS 13360 (pt 5/sec 1) & IS 13360 (pt 5/sec 3)	30 % decrease from the original value i.e Table 1 Sl.No(ii)	186.38 25.7%
		a) Longitudinal Direction			
11.	6.8 Table 1 Sl.No (iii)	Elongation at Break (%)	IS 13360 (pt 5/sec 1) & IS 13360 (pt 5/sec 3)	Min.400	560
		a) Longitudinal Direction			
12.	6.8 Table 1 Sl.No (iv)	Tear Strength (g)	IS 13360 (pt 5/sec 1) & IS 13360 (pt 5/sec 3)	Min.2080	2310
		a) Longitudinal Direction			
		b) Transverse Direction		Min.1600	1956



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Test Certificate

Continuation Sheet

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No.: 0129501

REPORT No.1706637

PART - C

TEST RESULTS (As per IS:14611-2016)

S. No.	Clause	Test	Test Method	Specified Requirement	Results obtained		
13.	6.8 Table 1 Sl.No (iv)	Tear Strength (g) After Ageing (at 70±1 °C /168 hrs)	IS 13360 (pt 5/sec 1) & IS 13360 (pt 5/sec 3)	30 % decrease from the original value(fabric),that is of Table 1 Sl.No(iv)	1820 21.2%		
		a) Longitudinal Direction				30 % decrease from the original value(fabric),that is of Table 1 Sl.No(iv)	1560 20.2%
		b) Transverse Direction				Min. 400	480
14.	6.8 Table 1 Sl.No (v)	Dart Impact Strength (g)	IS 13360 (Pt 5/sec 6) Method B	Min. 400	480		
15.	6.8 Table 1 Sl.No (vi)	Average Tensile Strength (kg/cm ²) (after exposing U.V. radiation and weathering for 192 hrs)	IS 14611 Annex G	50% of the original strength i.e Table 1 Sl.No(ii)	165 34.2%		
		a) Longitudinal Direction				50% of the original strength i.e Table 1 Sl.No(ii)	140 30.3%
		b) Transverse Direction				50% of the original strength i.e Table 1 Sl.No(ii)	380 32.14%
16.	6.8 Table 1 Sl.No (vi)	Average Elongation at break (%) (after exposing U.V. radiation and weathering for 192 hrs)	IS 14611 Annex G	50% of the original strength i.e Table 1 Sl.No(ii)	360 30.76%		
		a) Longitudinal Direction				50% of the original strength i.e Table 1 Sl.No(ii)	380 32.14%
		b) Transverse Direction				50% of the original strength i.e Table 1 Sl.No(ii)	360 30.76%

PART D: REMARKS : NIL

NB: 1. The results related only to items/samples tested.

2. The report shall not be reproduced in full/part without written approval of the laboratory.

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AUTHORISED SIGNATORY