

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Draft for comments only

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भारतीय मानक मसौदा

वस्त्रादि — कपास के नेवार — विशिष्टि

(IS 1895 का तीसरा पुनरीक्षण)

(Draft Indian Standard)

TEXTILES — COTTON NEWAR — SPECIFICATION

(Third Revision of IS 1895)

ICS 59.060.10

Technical Textile for Clothtech Application,
Including Narrow Fabric and Braid Sectional Committee,
TXD 39

Last date for receipt of comments

October 2024

FOREWORD

(Formal clauses will be added later)

This standard was first published in 1970, and subsequently revised in 1982. This standard has been revised again to incorporate the following major changes:

- Title of the standard has been modified;
- Packaging clause has been modified; and
- BIS Certification Marking Clause has been updated.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (second revision)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1 SCOPE

This standard covers grey, scoured, bleached or dyed cotton NEWAR of width 13, 25, 40, 50, 65, 75, 90 and 100 mm.

2 REFERENCES

The standards listed in Annex A contain provisions which through references in this text, constitute provisions of this standard. At the time of publications, the editions indicated were valid. All standards are subjected to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of these standards.

3 Material

Cotton yarn of $60 \text{ tex} \times 2 (10_s/2)$ conforming to IS 171 may be found suitable.

4 PHYSICAL REQUIREMENTS

4.1 Weave

Plain, twill or Herringbone.

4.2 Length of the Roll

The length of the roll when measured in accordance with IS 1954 shall be 50 m unless otherwise specified in the contract or order. Short lengths of 10 m, *Min* each may be accepted up to a maximum of 10 percent of the quantity in a consignment.

4.3 The cotton NEWAR shall also comply with the requirements given in Table 1.

Table 1 Requirements of Cotton NEWAR

(Clause 4.3)

Sl No.	Width mm	Tolerance on Width mm	Mass g/m	Tolerance on Mass percent	Ends in Full Width, <i>Min</i>	Picks/cm, <i>Min</i>	Breaking Strength, <i>Min</i> (Full Width \times 50 Cm) N (kgf)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
i.	13		6.2	± 0.3	35		355 (36)
ii.	25		12.5	± 0.5	70		705 (72)
iii.	40		19	± 1	100		1060 (108)

iv.	50	+ 2	25	± 1	135	8	1420 (144)	
v.	65	-0	31	± 2	170		1770 (180)	
vi.	75		37	± 2	205		2120 (216)	
vii.	90	+3	43	± 3	240		2470 (252)	
viii.	100	-0	50	± 3	270		2830 (288)	
Method of Test		IS 1954	IS I964		IS 1963		IS 1969 (Part 1)	

5 CHEMICAL REQUIREMENTS

5.1 The NEWAR should be free from sizing and filling materials, and shall satisfy the requirements given in Table 2.

Table 2 Requirements of Cotton NEWAR

(Clause 5.1)

SI No.	Characteristic	Requirement	Method of Test, Ref to
(1)	(2)	(3)	(4)
i)	Colour fastness of dyed NEWAR to:		
	Light	3 or better	IS/ISO 105-B02 : 2014
	Washing: Test 3	4 or better	IS/ISO 105-C10 : 2006
	pH value of aqueous extract	6.0 to 8.5	IS 1390
ii)	Scouring loss, Max:		
	Bleached	2 percent	IS 1383 (Mild Method)
	Scoured/dyed	4 percent	
	Grey	7 percent	

6 PACKING

6.1 Unless otherwise agreed between buyer and seller, the rolls packed in bundles or bales shall be supplied loose or in adequately waterproof packing as detailed in the contract or order.

7 MARKING

7.1 Each roll shall bear label providing information about name/trade mark of the manufacturer, length (m), mass (kg), width (mm) and finish (whether grey/scoured/bleached/dyed).

7.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

8 SAMPLING

8.1 As follows unless otherwise specified:

For Length, Width, Ends and Picks			Sub-sample Size of Mass, Scouring Loss, pH, Breaking Strength, Colour Fastness
Lot Size (Rolls)	Sample Size (Rolls)	Permissible Number of Defective Rolls	
Up to 50	3	0	3
51 to 150	5	0	3
150 to 300	8	1	4
301 to 500	13	1	5
501 and above	20	2	7

NOTE — Mean \pm 0.6 range' to be within the specified limits

(Clause 2)

LIST OF REFERRED STANDARDS

<i>IS No.</i>	<i>Title</i>
IS 171 : 1993	Textiles – Ring spun grey cotton yarn for weaving – Specification (<i>Fourth Revision</i>)
IS 1383 : 2023	Methods for determination of scouring loss in grey and finished cotton textile materials (<i>Second Revision</i>)
IS 1390 : 2022	Textiles Determination of pH of aqueous extract (<i>Third Revision</i>)
IS 1954 : 2024	Determination of length and width of woven fabrics – Methods (<i>Third Revision</i>)
IS 1963 : 1981	Methods for determination of threads per unit length in woven fabrics (<i>Second Revision</i>)
IS 1964 : 2001	Textiles – Methods for determination of mass per unit length and mass per unit area of fabrics (<i>Second Revision</i>)
IS 1969 (Part 1) : 2018	Textiles – Tensile properties of fabrics – Part 1 Determination of maximum force and elongation at maximum force using the strip method (<i>Fourth Revision</i>)
IS/ISO 105-B02 : 2014	Textiles – Tests for colour fastness – Part B02 Colour fastness to artificial light: Xenon arc fading lamp test
IS/ISO 105-C10 : 2006	Textiles – Tests for colour fastness Part C10 Colour fastness to washing with soap or soap and soda