

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Draft For Comments Only

Doc: TXD 30 (25141) WC

March 2024

भारतीय मानक मसौदा

**भूवस्त्रादि और भूवस्त्रादि से संबंधित उत्पाद —
भार के बिना, सतह के प्रति जल पारगम्यता विशेषताओं का निर्धारण**

Draft Indian Standard

**GEOTEXTILES AND GEOTEXTILE-RELATED PRODUCTS —
DETERMINATION OF WATER PERMEABILITY
CHARACTERISTICS NORMAL TO THE PLANE, WITHOUT LOAD**

ICS 59.080.70

Not to be reproduced without permission of
BIS or used as Standard

Last date for receipt of comment is
30 May 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Indian Standard intended to be adopted is identical with ISO 11058 : 2019 ‘Geotextiles and geotextile-related products — Determination of water permeability characteristics normal to the plane, without load’ issued by the International Organization for Standardization (ISO).

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In the standard intended to be adopted, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 2854, Statistical interpretation of data — Techniques of estimation and tests relating to means and variances	IS 14277 : 1996 Statistical interpretation of test results — Estimation of mean, standard deviation and regression coefficient - Confidence interval	Technically equivalent
ISO 5813, Water quality — Determination of dissolved oxygen — Iodometric method	IS 3025 (Part 38) : 1989 Water and wastewater — Methods of sampling and test (Physical and Chemical): Part 38 dissolved oxygen (First Revision)	Identical
ISO 9862, Geosynthetics — Sampling and preparation of test specimens	IS 14706 : 1999 Geotextiles — Sampling and preparation of test specimens	Identical
ISO 10320, Geosynthetics — Identification on site	IS 17421 : 2020 Geosynthetics — Identification on site	Identical

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*first revision*)'.

Extract of ISO 11058-4:2019 ‘Geotextiles and geotextile-related products — Determination of water permeability characteristics normal to the plane, without load’

Foreword

This third edition cancels and replaces the second edition (ISO 11058:2010), which has been technically revised.

The main changes compared to the previous edition are as follows:

- editorial modifications;
- formula corrections.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

1 Scope

This document specifies two test methods for determining the water permeability characteristics of a single layer of geotextile or geotextile-related product normal to the plane:

- a) The constant head method; and
- b) The falling head method.

2 Normative references

The following referenced documents are referred to in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2854, Statistical interpretation of data — Techniques of estimation and tests relating to means and variances

ISO 5813, Water quality — Determination of dissolved oxygen — Iodometric method

ISO 9862, Geosynthetics — Sampling and preparation of test specimens

ISO 10320, Geosynthetics — Identification on site

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <http://www.electropedia.org/>

FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

Please e-mail your comments to txd@bis.gov.in

NAME OF THE COMMENTATOR/ORGANIZATION:

DOCUMENT NO:

BIS LETTER REFERENCE NO. :

Item, Clause Sub-Clause No. Commented upon (Use Separate Box afresh)	Comments	Specific Proposal (Draft clause to be add/amended)	Remarks	Technical References and justification on which (2), (3), (4) are based
(1)	(2)	(3)	(4)	(5)