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Standards

Irish Standard
I.S. EN ISO 11058:2010

Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load (ISO 11058:2010)

I.S. EN ISO 11058:2010

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EN ISO 11058

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Supersedes EN ISO 11058:1999

English Version

Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load (ISO 11058:2010)

Géotextiles et produits apparentés - Détermination des caractéristiques de perméabilité à l'eau normalement au plan, sans contrainte mécanique (ISO 11058:2010)

Geotextilien und geotextilverwandte Produkte - Bestimmung der Wasserdurchlässigkeit normal zur Ebene, ohne Auflast (ISO 11058:2010)

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Contents

Page

Foreword.....	3
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Foreword

This document (EN ISO 11058:2010) has been prepared by Technical Committee ISO/TC 221 "Geosynthetics" in collaboration with Technical Committee CEN/TC 189 "Geosynthetics", the secretariat of which is held by NBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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I.S. EN ISO 11058:2010
**INTERNATIONAL
STANDARD**

**ISO
11058**

Second edition
2010-04-01

**Geotextiles and geotextile-related
products — Determination of water
permeability characteristics normal to the
plane, without load**

*Géotextiles et produits apparentés — Détermination des
caractéristiques de perméabilité à l'eau normalement au plan, sans
contrainte mécanique*



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test specimens.....	2
4.1 Handling	2
4.2 Selection.....	2
4.3 Number and dimensions.....	2
4.4 Condition of specimens	2
5 Constant head method.....	2
5.1 Principle.....	2
5.2 Apparatus	2
5.3 Procedure	3
5.4 Calculation and expression of results	4
6 Falling head method.....	4
6.1 Principle.....	4
6.2 Apparatus	5
6.3 Procedure	6
6.4 Calculation and expression of results	6
7 Test report.....	7
Annex A (informative) Determination of the correction factor, R_T, to a water temperature of 20 °C.....	12
Annex B (informative) Relationship between head loss and flow velocity	14
Annex C (informative) Velocity index.....	16
Annex D (informative) Experimental data and calculations	17

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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ISO 11058 was prepared by Technical Committee ISO/TC 221, *Geosynthetics*.

This second edition cancels and replaces the first edition (ISO 11058:1999), which has been technically revised.

Geotextiles and geotextile-related products — Determination of water permeability characteristics normal to the plane, without load

1 Scope

This International Standard 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;
- b) the falling head method.

NOTE If the full permeability characteristics of the geotextile or geotextile-related product have previously been established, then for control purposes it can be sufficient to determine the velocity index at a head loss of 50 mm only.

2 Normative references

The following referenced documents are indispensable for the application 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, *Geotextiles and geotextile-related products — Identification on site*

3 Terms and definitions

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

3.1

velocity index

V_{H50}

velocity corresponding to a head loss of 50 mm across a specimen, expressed to the nearest ± 1 mm/s

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