



# SLOVENSKI STANDARD SIST EN ISO 12958:2012

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Nadomešča:  
SIST EN ISO 12958:1999

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## Geotekstilije in geotekstilijam sorodni izdelki - Ugotavljanje zmogljivosti pretoka vode v ravnini (ISO 12958:2010)

Geotextiles and geotextile-related products - Determination of water flow capacity in their plane (ISO 12958:2010)

Geotextilien und geotextilverwandte Produkte - Bestimmung des Wasserleitvermögens in der Ebene (ISO 12958:2010)  
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Géotextiles et produits apparentés - Détermination de la capacité de débit dans leur plan (ISO 12958:2010) <https://standards.iteh.ai/catalog/standards/sist/0d23a689-07fb-4482-a57d-d96a45719639/sist-en-iso-12958-2012>

Ta slovenski standard je istoveten z: EN ISO 12958:2010

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### **ICS:**

59.080.70      Geotekstilije      Geotextiles

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EUROPEAN STANDARD

EN ISO 12958

NORME EUROPÉENNE

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April 2010

ICS 59.080.70

Supersedes EN ISO 12958:1999

English Version

## Geotextiles and geotextile-related products - Determination of water flow capacity in their plane (ISO 12958:2010)

Géotextiles et produits apparentés - Détermination de la capacité de débit dans leur plan (ISO 12958:2010)

Geotextilien und geotextilverwandte Produkte - Bestimmung des Wasserableitvermögens in der Ebene (ISO 12958:2010)

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## Foreword

This document (EN ISO 12958:2010) 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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 12958:1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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# INTERNATIONAL STANDARD

**ISO**  
**12958**

Second edition  
2010-04-15

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## Geotextiles and geotextile-related products — Determination of water flow capacity in their plane

*Géotextiles et produits apparentés — Détermination de la capacité de  
débit dans leur plan*

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**ISO 12958:2010(E)****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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 12958 was prepared by Technical Committee ISO/TC 221, *Geosynthetics*.

This second edition cancels and replaces the first edition (ISO 12958:1999), which has been technically revised.

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# Geotextiles and geotextile-related products — Determination of water flow capacity in their plane

## 1 Scope

This International Standard specifies a method for determining the constant-head water flow capacity within the plane of a geotextile or geotextile-related product.

NOTE 1 If the full water flow capacity characteristics of the geotextile or geotextile-related product have previously been established, then for control purposes it can be sufficient to determine the water flow capacity at two loads and both gradients.

NOTE 2 The compressibility of the product over time will substantially influence the in-plane water flow capacity. Test methods for assessing the compressive creep behaviour of geotextiles or geotextile-related products are described in ISO 25619-1.

The test report is judged in conjunction with the long-term compressive creep behaviour in order to assess the long-term flow capacity.

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## 2 Normative references (standards.iteh.ai)

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 9863-1, *Geosynthetics — Determination of thickness at specified pressures — Part 1: Single layers*

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

#### normal compressive stress

compressive stress components normal to the plane of the geotextile or geotextile-related product

NOTE The normal compressive stress is expressed in kilopascals.

### 3.2

#### in-plane flow

fluid flow within the geotextile or geotextile-related product and parallel to its plane