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STN	**Geotextílie a geotextíliám podobné výrobky Skúšobná metóda na stanovenie odolnosti proti kyslým a zásaditým kvapalinám (ISO 12960: 2020)**	**STN EN ISO 12960** 80 6139

Geotextiles and geotextile-related products - Screening test methods for determining the resistance to acid and alkaline liquids (ISO 12960:2020)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/20

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Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

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ICS 59.080.70 Supersedes EN 14030:2001

English Version

Geotextiles and geotextile-related products - Screening test methods for determining the resistance to acid and alkaline liquids (ISO 12960:2020)

Géotextiles et produits apparentés - Méthodes d'essai sélectives pour la détermination de la résistance aux liquides acides et alcalines (ISO 12960:2020)

Geotextilien und geotextilverwandte Produkte - Auswahlprüfverfahren zur Bestimmung der Beständigkeit gegenüber sauren und alkalischen Flüssigkeiten (ISO 12960:2020)

This European Standard was approved by CEN on 3 May 2020.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 12960:2020) 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of an identical text or by endorsement, at the latest by December 2020, and conflicting national standards shall be withdrawn at the latest by December 2020.

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

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The text of ISO 12960:2020 has been approved by CEN as EN ISO 12960:2020 without any modification.

INTERNATIONAL STANDARD

ISO 12960

First edition
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Geotextiles and geotextile-related products — Screening test methods for determining the resistance to acid and alkaline liquids

Géotextiles et produits apparentés — Méthodes d'essai sélectives pour la détermination de la résistance aux liquides acides et alcalins

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 189, *Geosynthetics*, in collaboration with ISO Technical Committee TC 221, *Geosynthetics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 12960 cancels and replaces ISO/TR 12960:1998, which has been technically revised. This document consolidates ISO/TR 12960:1998 and EN 14030:2001 and replaces both.

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.

Introduction

In nearly all applications, geotextiles and geotextile-related products (hereinafter, geotextile products) can be in contact with aqueous solutions of acids, bases or dissolved oxygen. The resistance of geotextile products to these chemicals depends, on the one hand, on polymer formulation, processing, textile structure and the presence of existing damage and, on the other hand, on the composition of the liquid and in situ conditions such as temperature, pressure and the presence of further mechanical stress.

It is the purpose of this document to provide methods of screening (index testing) the resistance of geotextile products to acids and bases.

Since an index test requires exposure times that are short compared to the expected lifetimes of geotextile and geotextile-related products, the process needs to be accelerated. The data obtainable are suitable for screening but not for deriving performance data such as lifetime, unless supported by further evidence.

INTERNATIONAL STANDARD **ISO 12960:2020(E)**

Geotextiles and geotextile-related products — Screening test methods for determining the resistance to acid and alkaline liquids

1 Scope

This document specifies methods for screening the resistance of geotextile and geotextile-related products to liquids while not subjecting them to external mechanical stress.

It is applicable to all geotextiles and geotextile-related products. Method A applies particularly to polyamides and method B to polyesters and polyamides. The test results are intended to be interpreted in the context of site conditions.

This document is intended to be used in conjunction with ISO/TS 13434.

NOTE This document only considers conditions where the specimens are fully immersed in the liquids. Though outside the scope of this document, the test conditions can be modified to accommodate particular applications, e.g. gaseous media. This document does not preclude use for test specimens that are pre-treated by some method, e.g. by weathering, aqueous extraction conditions or installation damage.

2 Normative references

The following documents are referred to in the text 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 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 10318-1, *Geosynthetics — Part 1: Terms and definitions*

EN 12226, *Geosynthetics — General tests for evaluation following durability testing*

