



SLOVENSKI STANDARD SIST EN ISO 4674-1:2017

01-februar-2017

Nadomešča:
SIST EN ISO 4674-1:2003

Gumirane ali plastificirane tekstilije - Ugotavljanje utržne trdnosti - 1. del: Metode trajnega razmerja trganja (ISO 4674-1:2016)

Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods (ISO 4674-1:2016)

Mit Kautschuk oder Kunststoff beschichtete Textilien - Bestimmung der Weiterreißfestigkeit - Teil 1: Verfahren mit konstanter Geschwindigkeit (ISO 4674-1:2016)

Supports textiles revêtus de caoutchouc ou de plastique - Détermination de la résistance au déchirement - Partie 1 : Méthodes à vitesse constante de déchirement (ISO 4674-1:2016)

Ta slovenski standard je istoveten z: EN ISO 4674-1:2016

ICS:

59.080.40	Površinsko prevlečene tekstilije	Coated fabrics
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 4674-1

November 2016

ICS 59.080.40

Supersedes EN ISO 4674-1:2003

English Version

Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods (ISO 4674-1:2016)

Supports textiles revêtus de caoutchouc ou de plastique - Détermination de la résistance au déchirement - Partie 1: Méthodes à vitesse constante de déchirement (ISO 4674-1:2016)

Mit Kautschuk oder Kunststoff beschichtete Textilien - Bestimmung der Weiterreißfestigkeit - Teil 1: Verfahren mit konstanter Geschwindigkeit (ISO 4674-1:2016)

This European Standard was approved by CEN on 2 October 2016.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword.....	3

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European foreword

This document (EN ISO 4674-1:2016) has been prepared by Technical Committee ISO/TC 45 “Rubber and rubber products” in collaboration with Technical Committee CEN/TC 248 “Textiles and textile products” the secretariat of which is held by BSI.

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 May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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 4674-1:2003.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 4674-1:2016 has been approved by CEN as EN ISO 4674-1:2016 without any modification.

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INTERNATIONAL
STANDARD

ISO
4674-1

Second edition
2016-10-15

**Rubber- or plastics-coated fabrics —
Determination of tear resistance —**

**Part 1:
Constant rate of tear methods**

Supports textiles revêtus de caoutchouc ou de plastique —

Détermination de la résistance au déchirement —

Partie 1: Méthodes à vitesse constante de déchirement

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Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
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Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Apparatus and reagents		2
5 Atmospheres for conditioning and testing		2
5.1 For conditioning.....		2
5.2 For testing.....		2
6 Time-interval between manufacture and testing		2
7 Method A — Tongued (double-tear) test piece		2
7.1 Selection and preparation of test pieces.....		2
7.2 Procedure.....		4
7.3 Calculation and expression of results.....		5
7.3.1 Trace with a series of definite peaks.....		5
7.3.2 Trace without definite peaks.....		5
8 Method B — Trouser-shaped (single-tear) test piece		6
8.1 Selection and preparation of test pieces.....		6
8.2 Procedure.....		7
8.3 Calculation and expression of results.....		8
9 Precision		8
10 Test report		8
Annex A (informative) Example of calculation of tear force		9
Annex B (normative) Wide-width trouser-shaped test piece		11

ISO 4674-1:2016(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.

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

This second edition cancels and replaces the first edition (ISO 4674-1:2003), which has been technically revised. The changes are as follows.

- The title of [Clause 4](#) has been changed to “Apparatus and reagents”. The clamping device and some reagents have been added.
- [Clause 5](#) has been broken down to two subclauses for conditioning and for testing respectively. The atmosphere of conditioning has been referred to the condition of “1” specified in ISO 2231:1989.
- New [Clause 6](#) “Time-interval between manufacturing and testing” has been added.
- In [7.1](#), [7.2](#), [8.1](#), and [8.2](#), the wet testing has been moved from [Clause 5](#) with partial modification.
- In [7.2](#) and [8.2](#), the procedure of handling abnormal test results has been incorporated. The NOTE in each subclause has been moved to the body text respectively.
- In [Clause 10](#), item f) has been added.
- [Annex B](#) has been changed to normative and the body text format has been subdivided by adding clauses.

ISO 4674 consists of the following parts, under the general title *Rubber- or plastics-coated fabrics — Determination of tear resistance*:

- *Part 1: Constant rate of tear methods*
- *Part 2: Ballistic pendulum method*

Introduction

Tearing is amongst the more usual ways of destruction for many thin materials such as paper, coated or uncoated textiles, plastic films and leather. Knowledge of the resistance of these materials to this type of behaviour is therefore very important.

In practice, tearing can result from very different circumstances; hence the large number of test methods that have been developed in order to predict the behaviour of materials in various situations.

The ISO 4674 series deals with initiated tearing, i.e. the propagation of a tear from an initiating cut.

This part of ISO 4674 describes two methods using a tensile-testing machine at constant rate of elongation. ISO 4674-2 describes a dynamic method using the kinetic energy of a falling pendulum.

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