

<b>STN</b>	<b>Flexibilné ľahčené polymérne materiály Stanovenie pevnosti v trhu (ISO 8067: 2018)</b>	<b>STN EN ISO 8067</b>  64 5447
------------	---	---

Flexible cellular polymeric materials - Determination of tear strength (ISO 8067:2018)

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. 01/19

Obsahuje: EN ISO 8067:2018, ISO 8067:2018

Oznámením tejto normy sa ruší  
STN EN ISO 8067 (64 5447) z júna 2009

**127961**

EUROPEAN STANDARD

EN ISO 8067

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2018

ICS 83.100

Supersedes EN ISO 8067:2008

English Version

## Flexible cellular polymeric materials - Determination of tear strength (ISO 8067:2018)

Matériaux polymères alvéolaires souples -  
Détermination de la résistance au déchirement (ISO  
8067:2018)

Flexible Polymer-Schaumstoffe - Bestimmung des  
Weiterreißwiderstands (ISO 8067:2018)

This European Standard was approved by CEN on 20 August 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 8067:2018 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

## **European foreword**

This document (EN ISO 8067:2018) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with Technical Committee CEN/TC 249 "Plastics" 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 February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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.

This document supersedes EN ISO 8067:2008.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 8067:2018 has been approved by CEN as EN ISO 8067:2018 without any modification.

# INTERNATIONAL STANDARD

# ISO 8067

Third edition  
2018-07

---

---

## **Flexible cellular polymeric materials — Determination of tear strength**

*Matériaux polymères alvéolaires souples — Détermination de la  
résistance au déchirement*



Reference number  
ISO 8067:2018(E)

© ISO 2018

**ISO 8067:2018(E)****COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Apparatus</b> .....	<b>1</b>
<b>5 Test pieces</b> .....	<b>1</b>
5.1 General.....	1
5.2 Trouser test piece for method A.....	2
5.3 Angle test piece for method B.....	2
<b>6 Number of test pieces</b> .....	<b>3</b>
<b>7 Conditioning</b> .....	<b>4</b>
<b>8 Procedure</b> .....	<b>4</b>
8.1 General.....	4
8.2 Method A.....	4
8.3 Method B.....	5
<b>9 Expression of results</b> .....	<b>6</b>
<b>10 Test report</b> .....	<b>6</b>
<b>Annex A (informative) Precision comparison for the two types of test piece</b> .....	<b>7</b>
<b>Bibliography</b> .....	<b>9</b>

## ISO 8067:2018(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](http://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](http://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 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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

This third edition cancels and replaces the second edition (ISO 8067:2008), which has been technically revised.

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

- test pieces with skin has been added in [5.1](#)

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](http://www.iso.org/members.html).



# Flexible cellular polymeric materials — Determination of tear strength

## 1 Scope

This document specifies two methods for the determination of the tear strength of flexible cellular polymeric materials:

- method A, using a trouser test piece;
- method B, using an angle test piece without a nick.

## 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 1923, *Cellular plastics and rubbers — Determination of linear dimensions*

ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**