

<b>STN</b>	<b>Flexibilné ľahčené polymérne materiály Stanovenie odrazovej pružnosti odrazením guľôčky (ISO 8307: 2018)</b>	<b>STN EN ISO 8307</b>  64 5449
------------	---	---

Flexible cellular polymeric materials - Determination of resilience by ball rebound (ISO 8307:2018)

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 8307:2018, ISO 8307:2018

Oznámením tejto normy sa ruší  
STN EN ISO 8307 (64 5449) z júna 2008

**127960**

EUROPEAN STANDARD

**EN ISO 8307**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2018

ICS 83.100

Supersedes EN ISO 8307:2007

English Version

## Flexible cellular polymeric materials - Determination of resilience by ball rebound (ISO 8307:2018)

Matériaux polymères alvéolaires souples -  
Détermination de la résilience par rebondissement  
d'une bille (ISO 8307:2018)

Weich-elastische polymere Schaumstoffe -  
Bestimmung der Kugel-Rückprallelastizität (ISO  
8307:2018)

This European Standard was approved by CEN on 15 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 8307:2018 (E)**

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

## **European foreword**

This document (EN ISO 8307:2018) 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 8307:2007.

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 8307:2018 has been approved by CEN as EN ISO 8307:2018 without any modification.

# INTERNATIONAL STANDARD

**ISO  
8307**

Third edition  
2018-07

---

---

## **Flexible cellular polymeric materials — Determination of resilience by ball rebound**

*Matériaux polymères alvéolaires souples — Détermination de la  
résilience par rebondissement d'une bille*



Reference number  
ISO 8307:2018(E)

© ISO 2018

**ISO 8307:2018(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 Principle</b> .....	<b>1</b>
<b>5 Apparatus</b> .....	<b>1</b>
5.1 General.....	1
5.2 Apparatus with manual reading.....	2
5.3 Apparatus with automatic reading.....	2
<b>6 Test pieces</b> .....	<b>3</b>
<b>7 Number of test pieces</b> .....	<b>3</b>
<b>8 Test conditions and conditioning</b> .....	<b>3</b>
<b>9 Procedure</b> .....	<b>3</b>
9.1 Preflex conditioning.....	3
9.2 Test method.....	4
<b>10 Expression of results</b> .....	<b>4</b>
<b>11 Precision</b> .....	<b>4</b>
<b>12 Test report</b> .....	<b>4</b>
<b>Annex A (informative) Example of electronic measurement procedure</b> .....	<b>6</b>

## ISO 8307:2018(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 on 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 the following URL: [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 8307:2007), which has been technically revised.

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

- [Figure 1](#) has been modified.
- [Annex A](#) has been revised to represent the practical electric measurement.

# Flexible cellular polymeric materials — Determination of resilience by ball rebound

## 1 Scope

This document specifies a method for determining the resilience by ball rebound of flexible cellular polymeric materials.

## 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 23529, *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*

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