

# SLOVENSKI STANDARD oSIST prEN ISO 2440:2024

01-september-2024

Prožni in penjeni polimerni materiali - Preskus s pospešenim staranjem (ISO/DIS 2440:2024)

Flexible and rigid cellular polymeric materials - Accelerated ageing tests (ISO/DIS 2440:2024)

Weich-elastische polymere Schaumstoffe und Hartschäume - Schnellalterungsprüfung (ISO/DIS 2440:2024)

Matériaux polymères alvéolaires souples et rigides - Essais de vieillissement accéléré (ISO/DIS 2440:2024)

Ta slovenski standard je istoveten z: prEN ISO 2440

ICS:

83.100 Penjeni polimeri Cellular materials

oSIST prEN ISO 2440:2024 en,fr,de

oSIST prEN ISO 2440:2024

# iTeh Standards (https://standards.iteh.ai) Document Preview

SIST prEN ISO 2440:2024

https://standards.iteh.ai/catalog/standards/sist/391b1dee-a858-4833-86e7-6e985d0ceb8d/osist-pren-iso-2440-2024



## **DRAFT International Standard**

### **ISO/DIS 2440**

### Flexible and rigid cellular polymeric materials — Accelerated ageing tests

Matériaux polymères alvéolaires souples et rigides — Essais de vieillissement accéléré

ICS: 83.100

**Document Preview** 

ISO/TC 45/SC 4

Secretariat: DSM

Voting begins on: 2024-07-01

Voting terminates on: 2024-09-23

https://standards.iteh.ai/catalog/standards/sist/391b1dee-a858-4833-86e7-6e985d0ceb8d/osist-pren-iso-2440-2024

This document is circulated as received from the committee secretariat.

#### ISO/CEN PARALLEL PROCESSING

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/DIS 2440:2024(en)

# iTeh Standards (https://standards.iteh.ai) Document Preview

oSIST prEN ISO 2440:2024

https://standards.iteh.ai/catalog/standards/sist/391b1dee-a858-4833-86e7-6e985d0ceb8d/osist-pren-iso-2440-2024



#### COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

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 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

### ISO/DIS 2440:2024(en)

Contents Foreword		Page
		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Apparatus 4.1 For dry heat ageing 4.2 For humidity ageing 4.3 For physical –property measurements	2 2
5	Test pieces 5.1 Number, size and shape 5.2 Conditioning	2
6	Procedure 6.1 General 6.2 Dry heat ageing 6.2.1 Temperature 6.2.2 Duration of ageing 6.3 Humidity ageing 6.3.1 Humidity 6.3.2 Temperatures and duration of ageing 6.4 Reconditioning	2 3 3 3 3 3 3 3 4
7	Calculation and expression of results 7.1 Calculation 7.2 Validity 7.3 Expression of results	
8	Test report Document Preview	4
9	Precision Data	5
Ann	nex A (informative) Method for verification of the validity of ageing results	6
Ann	tandards iteh ai/catalog/standards/sist/391b1dee-a858-4833-86e7-6e985d0ceb8d/o nex B (informative) Precision Data	sist-pren-iso-2440-20
Bibl	liography	11

#### ISO/DIS 2440:2024(en)

#### 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 <a href="https://www.iso.org/directives">www.iso.org/directives</a>).

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 <a href="https://www.iso.org/patents">www.iso.org/patents</a>).

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 <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

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

This fifth edition cancels and replaces the fourth edition (ISO 2440:2019) which has been technically revised.

The main changes are as follows:

- Adding a new Subclause 7.2 "Validity":
- Adding a new <u>Clause 9</u> "Precision Data";
- Adding a Method for verification of the validity of ageing results in a new informative Annex A;
- Adding precision data in a new informative **Annex B**.

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 <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.