

STN	Polymérne flexibilné ľahčené materiály Stanovenie hodnoty priepustnosti vzduchu pri konštantnom poklese tlaku (ISO 7231: 2023)	STN EN ISO 7231 64 0776
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Polymeric materials, cellular, flexible - Determination of air flow value at constant pressure-drop (ISO 7231:2023)

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. 11/23

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EUROPEAN STANDARD

EN ISO 7231

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 7231:2010

English Version

Polymeric materials, cellular, flexible - Determination of air flow value at constant pressure-drop (ISO 7231:2023)

Matériaux polymères alvéolaires souples -
Détermination de l'indice d'écoulement d'air à chute de
pression constante (ISO 7231:2023)

Weich-elastische Polymerschäume - Bestimmung
der Luftdurchlässigkeit bei konstantem Differenzdruck
(ISO 7231:2023)

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EN ISO 7231:2023 (E)

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European foreword

This document (EN ISO 7231:2023) 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 SIS.

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The text of ISO 7231:2023 has been approved by CEN as EN ISO 7231:2023 without any modification.

INTERNATIONAL STANDARD

ISO 7231

Third edition
2023-08

Polymeric materials, cellular, flexible — Determination of air flow value at constant pressure-drop

*Matériaux polymères alvéolaires souples — Détermination de l'indice
d'écoulement d'air à chute de pression constante*



Reference number
ISO 7231:2023(E)

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ISO 7231:2023(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 document 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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This document was prepared by Technical Committee ISO/TC45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 7231:2010), which has been technically revised.

The main changes are as follows:

- the previous [Annex A](#) has been moved to [Clause 6](#) as method B2;
- the previous 6.5 (the precision of method B1) has been moved to a new [Annex A](#).
- the previous precision of method B2 has been added to a new [Annex A](#).

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Polymeric materials, cellular, flexible — Determination of air flow value at constant pressure-drop

WARNING — Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to determine the applicability of any national regulatory conditions.

1 Scope

This document specifies two methods for determining the air flow value of flexible cellular polymeric materials:

- method A, for conventional types of flexible cellular polymeric material;
- method B, for all types of flexible cellular polymeric material, but especially for materials with a low permeability to air.

For method B, two methods are specified in this document:

- method B1: with manual measurement;
- method B2: with automatic measurement.

NOTE 1 Air flow values can be used to give an indication of the effects of formulation and production variables on the cellular structure.

NOTE 2 In this document, the expression “conventional type of flexible cellular polymeric material” means types which are unsuitable for sealing purposes.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN