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Corrugated fibreboard - Determination of flat crush resistance (ISO 3035:2025)

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. 11/25

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EUROPEAN STANDARD

EN ISO 3035

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 85.080.30

Supersedes EN ISO 3035:2011

English Version

## Corrugated fibreboard - Determination of flat crush resistance (ISO 3035:2025)

Carton ondulé - Détermination de la résistance à la compression à plat (ISO 3035:2025)

Wellpappe - Bestimmung des Flachstauchwiderstandes (ISO 3035:2025)

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

**EN ISO 3035:2025 (E)**

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## **European foreword**

This document (EN ISO 3035:2025) has been prepared by Technical Committee ISO/TC 6 "Paper, board and pulps" in collaboration with Technical Committee CEN/TC 172 "Pulp, paper and board" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by February 2026, and conflicting national standards shall be withdrawn at the latest by February 2026.

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## **Endorsement notice**

The text of ISO 3035:2025 has been approved by CEN as EN ISO 3035:2025 without any modification.



# International Standard

**ISO 3035**

## **Corrugated fibreboard — Determination of flat crush resistance**

*Carton ondulé — Détermination de la résistance à la  
compression à plat*

**Fourth edition  
2025-07**

## ISO 3035:2025(en)



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Email: [copyright@iso.org](mailto:copyright@iso.org)  
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**ISO 3035:2025(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 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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 172, *Pulp, paper and board*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 3035:2011) which has been technically revised.

The main changes are as follows:

- [5.1](#): NOTE has been deleted because beam deflection compression devices are not in the scope of ISO 13820:2021 anymore;
- [Clause 11](#) "Precision" has been added;
- precision data from Cepi-CTS have been updated.

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).

**ISO 3035:2025(en)****Introduction**

Fibreboard shipping containers can be subjected to compressive forces in the thickness direction as part of the manufacturing process, as well as during shipment or storage. These forces can compress the flute structure and reduce the structural integrity (stacking strength) of the corrugated material. Resistance to this type of crushing is an important measure of the performance characteristics of the container.

# Corrugated fibreboard — Determination of flat crush resistance

## 1 Scope

This document specifies a method for the determination of the flat crush resistance of corrugated fibreboard used in the manufacture of shipping containers.

This document is applicable to single-faced and single-wall (double-faced) corrugated fibreboard.

This document is not applicable to double-wall (double-double-faced) corrugated fibreboard and to microflute corrugated fibreboard, since the end-point of the test is not clearly defined or observable.

## 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 186, *Paper and board — Sampling to determine average quality*

ISO 187, *Paper, board and pulps — Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples*

ISO 13820:2021, *Paper, board and corrugated fibreboard — Description and calibration of fixed platen compression-testing equipment*

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