



NSAI
Standards

Irish Standard
I.S. EN ISO 11502:2018

Plastics - Film and sheeting - Determination of blocking resistance (ISO 11502:2018)

I.S. EN ISO 11502:2018

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN ISO 11502:2018 is the adopted Irish version of the European Document EN ISO 11502:2018, Plastics - Film and sheeting - Determination of blocking resistance (ISO 11502:2018)

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EUROPEAN STANDARD

EN ISO 11502

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 83.140.10

Supersedes EN ISO 11502:2005

English Version

Plastics - Film and sheeting - Determination of blocking resistance (ISO 11502:2018)

Plastiques - Film et feuille - Détermination du pouvoir bloquant (ISO 11502:2018)

Kunststoffe - Folien und Bahnen - Bestimmung des Blockwiderstandes (ISO 11502:2018)

This European Standard was approved by CEN on 4 November 2018.

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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.

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EN ISO 11502:2018 (E)

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European foreword

This document (EN ISO 11502:2018) has been prepared by Technical Committee ISO/TC 61 "Plastics" 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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.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 11502:2005.

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 11502:2018 has been approved by CEN as EN ISO 11502:2018 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
11502**

Second edition
2018-11

**Plastics — Film and sheeting —
Determination of blocking resistance**

Plastiques — Film et feuille — Détermination du pouvoir bloquant



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ISO 11502:2018(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).

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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.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 11502:1995), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- [Clause 2](#) has been updated;
- the document has been editorially revised.

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.

Plastics — Film and sheeting — Determination of blocking resistance

1 Scope

This document specifies two methods for assessing the tendency of flexible plastic films and sheets to adhere to one another when left in contact for some time, at a specified temperature and under light pressure. One method is qualitative and the other is quantitative.

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 291, *Plastics — Standard atmospheres for conditioning and testing*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

blocking

unintentional adherence between materials

4 Method A: Qualitative method

4.1 Principle

Pieces of film or sheeting are kept in contact with one another for a minimum of 24 h at 50 °C under a pressure of 7 kPa. Blocking is considered to have occurred if the surfaces suffer damage when they are separated or if the force of adherence between them is sufficient to lift a given weight.

Alternative times, temperatures and pressures may be used depending on the nature of the plastic film or sheeting under test and the proposed end use of the material.

4.2 Apparatus

4.2.1 Glass plates, measuring 100 mm × 76 mm and approximately 2 mm thick.

4.2.2 Strips of filter paper, measuring 150 mm × 76 mm.

4.2.3 Oven, capable of being maintained at 50 °C ± 2 °C, with provision for placing the test assemblies on shelves so that they are no less than 50 mm from each other and from the sides of the oven.

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