

STN	Plasty Krycie fólie z termoplastov na používanie v poľnohospodárstve a v záhradníctve	STN EN 13206 64 6017
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Plastics - Thermoplastic covering films for use in agriculture and horticulture

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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English Version

Plastics - Thermoplastic covering films for use in agriculture and horticulture

Plastiques - Films de couverture thermoplastiques
pour utilisation en agriculture et horticulture

Kunststoffe - Thermoplastische Abdeckfolien für den
Einsatz in der Landwirtschaft und im Gartenbau

This European Standard was approved by CEN on 16 June 2025.

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.

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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 13206:2025 (E)

Contents	Page
European foreword	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Types and use	9
5 Materials	10
6 Durability	10
7 Requirements	11
7.1 General requirements	11
7.2 Requirement for appearance	14
8 Test methods	15
8.1 Determination of thickness	15
8.2 Determination of width	15
8.3 Determination of tensile characteristics	15
8.4 Determination of impact resistance	15
8.5 Determination of elongation under a steady load (creep test)	16
8.6 Determination of visible light transmission	18
8.7 Determination of haze	18
8.8 Determination of IR effectiveness (η_{ir}) (thermal clear and thermal diffusing films)	18
8.9 Determination of resistance to weathering	19
8.10 Determination of the chlorine content of used films	20
8.11 Determination of the sulfur content of used films	20
8.12 Determination of the roll/sheet length	20
9 Film acceptance, storage and handling	21
9.1 Acceptance	21
9.2 Storage and handling of rolls	21
10 Designation	21
11 Marking	22
11.1 Marking on the film	22
11.2 Marking on the packaging or label	22
12 Instructions for storage, installation and use of covering films	23
13 Design for recycling and end of life of covering films	23
14 Removal and collection instructions of used covering films	25
Annex A (informative) Exposure to other light sources	26
A.1 Medium pressure mercury vapour lamps	26
A.2 Fluorescent UV lamps	28

Annex B (informative) Empirical correlation between durations of covering films exposed to artificial weathering and a natural exposure	30
B.1 Exposure to xenon-arc lamps	30
B.2 Exposure to medium pressure mercury vapour lamps	32
B.3 Exposure to fluorescent UV lamps.....	32
Annex C (normative) Determination of the chlorine content by coulometry	34
C.1 Principle.....	34
C.2 Apparatus and reagents	34
C.3 Test procedure.....	34
C.4 Calculation and expression of the results.....	36
C.5 Test report.....	36
C.6 Precision	36
C.7 Determination of chlorine in the presence of benzotriazole	37
Annex D (normative) Determination of the sulfur content by ICP- OES technique	38
D.1 Instruments and reagents	38
D.2 Method of analysis.....	38
D.3 References preparation and calibration	39
D.4 Sample preparation (digestion)	40
D.5 Sulfur measurement	40
D.6 Expression of results	40
D.7 Sulfur determination in case of presence of Ni quenchers.....	40
D.8 Examples of conditions.....	41
Annex E (informative) Alternative method for the determination of chlorine and sulfur contents by X-ray fluorescence	43
E.1 Principle.....	43
E.2 Introduction.....	43
E.3 Apparatus	43
E.4 Test procedure.....	43
E.5 Calculation and expression of the result.....	43
E.6 Determination of chlorine in the presence of benzotriazole.....	43
E.7 Sulfur determination in case of presence of Ni quenchers.....	44
E.8 The test report shall include the following information:.....	44
Annex F (informative) Alternative methods for the determination of sulfur content by ultraviolet fluorescence method or by coulometry.....	45
F.1 Principle.....	45
F.2 Ultraviolet fluorescence method.....	45
F.3 Coulometry.....	47

EN 13206:2025 (E)

Annex G (normative) Basic guidance for installation, use and disposal of covering films.....	50
G.1 Greenhouse covering films.....	50
G.2 Low tunnel covering films.....	50
Annex H (informative) Industrial standard formats of films.....	51
Bibliography	52

European foreword

This document (EN 13206:2025) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by SIS.

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.

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 13206:2017+A1:2020.

EN 13206:2025 includes the following significant technical changes with respect to EN 13206:2017+A1:2020:

- Clause 5 on materials has been added;
- Clauses 10, 11 and 12 on designation, marking and instructions for storage, installation and use of covering films, respectively, have been modified;
- Clause 13 on the design for recycling of end of life of covering films has been added;
- Clause 14 on removal and collection instructions of used silage stretch films has been modified, referring to EN 18109 for additional information;
- the normative Annex G has been modified to outline basic guidance for installation, use and disposal of covering films.

This document (EN 13206:2025) has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 13206:2025 (E)

1 Scope

This document specifies the requirements related to dimensional, mechanical, optical and thermal characteristics of thermoplastic films used for covering permanent or temporary greenhouses and walking tunnels and low tunnels used for forcing and semi-forcing vegetable, fruit and flower crops.

This document is applicable to agricultural tunnel films as well as lay-flat perforated cover films.

This document specifies a classification for the durability of covering films and the test methods referred to in this document.

This document also specifies test methods for the determination of the chlorine and sulfur contents of films subjected to use.

This document is applicable to thermoplastic covering films used in agriculture and horticulture in Europe, in the thickness range 20 µm up to more than 250 µm, based on polyethylene and/or ethylene copolymers materials, of the following types: non-thermal films, thermal clear films and thermal diffusing films.

This document also gives guidance for installation, use and disposal of covering films. It specifies the conventional expected lifetime, as well as rules that allow evaluating the remaining use potential in the event of a failure before the normal end-of-use date.

NOTE These rules allow estimating the residual value of the films. These provisions only apply to the film itself and the damage it has undergone. Any other problem falls within the scope of professional practices and the general terms and conditions of sale.

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.

EN 18109:2025, *Plastics — Agricultural plastic products — Installation, use, removal, sorting, collection, preparation for recycling and design-for-recycling guidelines*

EN ISO 527-1, *Plastics — Determination of tensile properties — Part 1: General principles (ISO 527-1)*

EN ISO 527-3, *Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets (ISO 527-3)*

EN ISO 4892-2:2013, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2:2013)*

EN ISO 7765-1:2004, *Plastics film and sheeting — Determination of impact resistance by the free-falling dart method — Part 1: Staircase methods (ISO 7765-1:1988)*

ISO 4591, *Plastics — Film and sheeting — Determination of average thickness of a sample, and average thickness and yield of a roll, by gravimetric techniques (gravimetric thickness)*

ISO 4592, *Plastics — Film and sheeting — Determination of length and width*

ISO 4593, *Plastics — Film and sheeting — Determination of thickness by mechanical scanning*

ISO 22095, *Chain of custody — General terminology and models*

ASTM D 1003-13, *Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN