

STN	Plasty Fólie a rúrky z termoplastov na silážovanie na použitie v poľnohospodárstve	STN EN 13207 64 6018
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Plastics - Thermoplastic silage films and tubes for use in agriculture

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. 08/18

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EUROPEAN STANDARD**EN 13207****NORME EUROPÉENNE****EUROPÄISCHE NORM**

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English Version

Plastics - Thermoplastic silage films and tubes for use in agriculture

Plastiques - Films d'ensilage thermoplastiques et gaines pour utilisation en agriculture

Kunststoffe - Thermoplastische Silofolien und -schläuche für den Einsatz in der Landwirtschaft

This European Standard was approved by CEN on 10 December 2017.

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.

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.

CEN members are the national standards bodies of 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 United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 13207:2018 (E)

Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Types and use	6
5 Material	6
6 Durability	7
7 Requirements	7
7.1 General requirements.....	7
7.2 Requirements for appearance.....	8
8 Test methods	9
8.1 Determination of thickness.....	9
8.2 Determination of width and length of the film.....	9
8.3 Determination of tensile characteristics.....	9
8.4 Determination of impact resistance.....	9
8.4.1 General.....	9
8.4.2 Flat area.....	9
8.4.3 Fold area.....	9
8.5 Resistance to artificial weathering.....	10
8.5.1 Principle.....	10
8.5.2 Exposure to xenon-arc lamps.....	10
8.5.3 Procedure.....	11
8.5.4 Calculation and expression of results.....	11
8.6 Determination of the oxygen transmission rate.....	11
9 Film acceptance, storage and handling	11
9.1 Delivery control.....	11
9.2 Storage and handling of rolls.....	11
10 Designation	11
11 Marking	12
12 Instructions for use of silage films	12
13 Instructions for disposal of silage films and end-of-life	12
Annex A (informative) Exposure to other light sources	13
A.1 Medium pressure mercury vapour lamps.....	13
A.2 Fluorescent UV lamps.....	15
Annex B (informative) Guidance for use and disposal of silage films	17
B.1 Installation instructions.....	17
B.2 Use conditions.....	17
B.3 Factor affecting the lifetime of silage films.....	18
B.4 Removal instructions.....	18
Bibliography	20

European foreword

This document (EN 13207:2018) has been prepared by 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 August 2018 and conflicting national standards shall be withdrawn at the latest by August 2018.

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 13207:2001.

The following technical changes have been made in comparison to EN 13207:2001:

- the scope is extended to installation and removal conditions and the intended use for the applications is specified in extended way;
- Clause 4 Types and use, has been added;
- in Clause 5 Material, the barrier polymer, has been added;
- a new Clause 6 Durability, has been drafted on the basis of the old Clause 5 Duration of the silage film;
- the Clause for requirements, test methods, acceptance, storage and handling have been drafted in a new frame;
- the Clauses on instructions disposal of silage films and end-of-life, have been added.

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.

EN 13207:2018 (E)**1 Scope**

This European Standard specifies the requirements related to dimensional, mechanical and optical characteristics of thermoplastic films and tubes used during the manufacture of silage and designed to last at least one year for protecting fodder.

It specifies a classification for the durability of silage films and the test methods referred to in this standard.

This European Standard is applicable to transparent, black, white or coloured (e.g. black/white) thermoplastic silage films based on polyethylene, ethylene copolymer, EVOH and polyamide.

These films are intended for covering bunker silos, silage tubes or silage clamps for preserving forage. They protect the forage and preserve it from rain and air. These films are not intended to cover bales piles (e.g. straw bales and hay bales).

Silage films obtained by sealing two or more films in machine direction are out of the scope of this document.

This European Standard also defines installation, use and removal conditions of silage films. It defines the conventional useful 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 ISO 527-1, *Plastics - Determination of tensile properties - Part 1: General principles (ISO 527-1)*

EN ISO 527-3:1995, *Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets (ISO 527-3:1995)*

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

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

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

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

ISO 15105-2:2003, *Plastics - Film and sheeting - Determination of gas-transmission rate - Part 2: Equal-pressure method*

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