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STN	**Plasty** **Fólie a tubusy z termoplastov na silážovanie na použitie v poľnohospodárstve**	**STN** **EN 13207** 64 6018

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. 11/25

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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 23 June 2025.

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

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European foreword

This document (EN 13207:2025) 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of an identical text or by endorsement, at the latest by February 2026, and conflicting national standards shall be withdrawn at the latest by February 2026.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.

EN 13207:2025 includes the following significant technical changes with respect to EN 13207:2018:

— Clause 5 on materials has been expanded by referring to design for recycling;

— Clauses 10, 11 and 12 on designation, marking and instructions for storage, installation and use of thermoplastic films and tubes, respectively, have been modified according to mandate M/584 on “Recycled Plastics”;

— Clause 13 on the design-for-recycling of end of life of thermoplastic films and tubes has been added;

— Clause 14 on removal and collection instructions of used thermoplastic films and tubes has been modified, referring to EN 18109 for additional information;

— the informative Annex B on the guidance for use and disposal of thermoplastic films and tubes has been deleted.

This document 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.

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1 Scope

This document 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 document.

This document 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).

This document does not apply to silage films obtained by sealing two or more films in machine direction.

This document also provides guideline for installation, use and removal conditions of silage films. It also provides guideline for 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.

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 527-3:2018, *Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets (ISO 527-3:2018)*

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

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

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

EN ISO 7765-1:2024, *Plastics film and sheeting — Determination of impact resistance by the free-falling dart method — Part 1: Staircase methods (ISO 7765-1:2024)*

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

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