

STN	Plasty Bariérové fólie na dezinfekciu poľnohospodárskej a záhradkárskej pôdy vydymovaním Časť 2: Metóda na stanovenie priepustnosti fólie s použitím statickej techniky	STN EN 17098-2 64 6021
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Plastics - Barrier films for agricultural and horticultural soil disinfection by fumigation - Part 2: Method for film permeability determination using a static technique

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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Plastics - Barrier films for agricultural and horticultural soil disinfection by fumigation - Part 2: Method for film permeability determination using a static technique

Plastiques - Films barrière pour la désinfection par fumigation des sols agricoles et horticoles - Partie 2: Méthode de détermination de la perméabilité d'un film utilisant une technique statique

Kunststoffe - Sperrschichtfolien für die Desinfektion durch Begasung von Landwirtschafts- und Gartenbauböden - Teil 2: Verfahren zur Bestimmung der Durchlässigkeit einer Folie unter Verwendung einer statischen Technik

This European Standard was approved by CEN on 20 November 2017.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 17098-2:2018 (E)

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European foreword

This document (EN 17098-2:2018) 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of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by July 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN not be held responsible for identifying any or all such patent rights.

EN 17098, *Plastics — Barrier films for agricultural and horticultural soil disinfection by fumigation*, consists of the following parts:

- *Part 1: Specifications for barrier films*
- *Part 2: Method for determining film permeability using a static technique*

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EN 17098-2:2018 (E)**Introduction**

This test method is based on ASTM E2945-14, *Standard Test Method for Film Permeability Determination Using Static Permeability Cells* [1].

The permeability of a thermoplastic film to a gaseous composition depends on the nature of the film, the properties of the chemical constituents of the gaseous composition and environmental conditions. Various values can be used to characterize permeability to a gaseous composition, including flux, diffusion coefficient, and mass transfer coefficient (MTC). Flux and diffusion coefficient depend on the concentration gradient across the film. However, it is recognized that mass transfer coefficient is independent of the concentration gradient and dependent only on the properties of the film and the chemical constituents of the gas, in addition to environmental conditions such as temperature and relative humidity on both sides of the film. It follows that mass transfer coefficient is an appropriate parameter to represent permeability to a specific gaseous composition.

WARNING — Users of this standard should be very familiar with standard laboratory practice. This standard is not intended to cover any safety problems associated with its use, if applicable. It is the user's responsibility to determine appropriate practices in terms of health and safety, and to ensure compliance with the applicable national regulatory requirements.

1 Scope

This document specifies a method for determining the gas permeability of films using a static technique. This document is applicable to thermoplastic barrier films for agricultural and horticultural soil disinfection using the fumigation technique.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN