



SLOVENSKI STANDARD
SIST EN ISO 16929:2020

01-februar-2020

Polimerni materiali - Ugotavljanje stopnje razpada polimernih materialov pri določenih pogojih kompostiranja v pilotnem merilu (ISO 16929:2019)

Plastics - Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test (ISO 16929:2019)

Kunststoffe - Bestimmung des Zersetzungsgrades von Kunststoffmaterialien unter festgelegten Bedingungen der Kompostierung mittels einer Technikums-Maßstab-Prüfung (ISO 16929:2019)

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Plastiques - Détermination du degré de désintégration des matériaux plastiques dans des conditions de compostage définies lors d'un essai à échelle pilote (ISO 16929:2019)

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Ta slovenski standard je istoveten z: EN ISO 16929:2019

ICS:

83.080.01	Polimerni materiali na splošno	Plastics in general
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SIST EN ISO 16929:2020

en,fr,de

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EUROPEAN STANDARD

EN ISO 16929

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2019

ICS 83.080.01

English Version

Plastics - Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test (ISO 16929:2019)

Plastiques - Détermination du degré de désintégration des matériaux plastiques dans des conditions de compostage définies lors d'un essai à échelle pilote (ISO 16929:2019)

Kunststoffe - Bestimmung des Zersetzungsgrades von Kunststoffmaterialien unter festgelegten Bedingungen der Kompostierung mittels einer Technikumsmaßstab-Prüfung (ISO 16929:2019)

This European Standard was approved by CEN on 28 November 2019.

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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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European foreword

This document (EN ISO 16929:2019) 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 2020, and conflicting national standards shall be withdrawn at the latest by June 2020.

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.

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The text of ISO 16929:2019 has been approved by CEN as EN ISO 16929:2019 without any modification.

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INTERNATIONAL
STANDARD

ISO
16929

Third edition
2019-10

**Plastics — Determination of the
degree of disintegration of plastic
materials under defined composting
conditions in a pilot-scale test**

*Plastiques — Détermination du degré de désintégration des
matériaux plastiques dans des conditions de compostage définies lors
d'un essai à échelle pilote*

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ISO 16929:2019(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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 14, *Environmental aspects*.

This third edition cancels and replaces the second edition (ISO 16929:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

- in [6.1.1](#), the minimum amount of biowaste has been changed to 30 kg from 60 kg due to the decreasing size of composting bins;
- in [6.2.2.3](#) and [Clause 8](#), the temperature profile has been changed to new conditions adopted to small bins.

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.

Introduction

The biological treatment of biodegradable plastic materials includes aerobic composting in well-operated, municipal or industrial biological waste treatment facilities. Determining the degree of disintegration of plastic materials in a pilot-scale plant is an important step within a test scheme to evaluate the compostability of such materials.

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