

# SLOVENSKI STANDARD

## SIST EN ISO 11357-6:2018

01-junij-2018

Nadomešča:

SIST EN ISO 11357-6:2013

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**Polimerni materiali - Diferenčna dinamična kalorimetrija (DSC) - 6. del:  
Ugotavljanje časa indukcijske oksidacije (izotermični OIT) in temperature  
indukcijske oksidacije (izodinamični OIT) (ISO 11357-6:2018)**

Plastics - Differential scanning calorimetry (DSC) - Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT) (ISO 11357-6:2018)

**iTeh STANDARD PREVIEW**

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Kunststoffe - Dynamische Differenz-Thermoanalyse (DSC) - Teil 6: Bestimmung der Oxidations-Induktionszeit (isothermische OIT) und Oxidations-Induktionstemperatur (dynamische OIT) (ISO 11357-6:2018)

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Plastiques - Analyse calorimétrique différentielle (DSC) - Partie 6: Détermination du temps d'induction à l'oxydation (OIT isotherme) et de la température d'induction à l'oxydation (OIT dynamique) (ISO 11357-6:2018)

**Ta slovenski standard je istoveten z: EN ISO 11357-6:2018**

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**ICS:**

17.200.10	Toplota. Kalorimetrija	Heat. Calorimetry
83.080.01	Polimerni materiali na splošno	Plastics in general

**SIST EN ISO 11357-6:2018**

**en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 11357-6**

April 2018

ICS 83.080.01

Supersedes EN ISO 11357-6:2013

English Version

**Plastics - Differential scanning calorimetry (DSC) - Part 6:  
Determination of oxidation induction time (isothermal  
OIT) and oxidation induction temperature (dynamic OIT)  
(ISO 11357-6:2018)**

Plastiques - Analyse calorimétrique différentielle (DSC)  
- Partie 6: Détermination du temps d'induction à  
l'oxydation (OIT isotherme) et de la température  
d'induction à l'oxydation (OIT dynamique) (ISO 11357-  
6:2018)

Kunststoffe - Dynamische Differenz-Thermoanalyse  
(DSC) - Teil 6: Bestimmung der Oxidations-  
Induktionszeit (isothermische OIT) und Oxidations-  
Induktionstemperatur (dynamische OIT) (ISO 11357-  
6:2018)

This European Standard was approved by CEN on 24 February 2018.

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## European foreword

This document (EN ISO 11357-6:2018) 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 October 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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INTERNATIONAL  
STANDARDISO  
11357-6Third edition  
2018-03

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**Plastics — Differential scanning  
calorimetry (DSC) —**

Part 6:

**Determination of oxidation induction  
time (isothermal OIT) and oxidation  
induction temperature (dynamic OIT)**iTeh STANDARD PREVIEW  
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Reference number  
ISO 11357-6:2018(E)

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Published in Switzerland



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## ISO 11357-6:2018(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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*.

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This third edition cancels and replaces the second edition (ISO 11357-6:2008), which has been technically revised. The main changes compared to the previous edition are as follows:

- the normative references in [Clause 2](#) have been updated;
- techniques for purge gas flow control have been extended.

A list of all parts in the ISO 11357 series can be found on the ISO website.

## Introduction

The measurement of oxidation induction time or temperature described in this document provides a tool to assess the conformity of the material tested to a given formulation of plastics compounds, but it is not intended to provide the concentration of antioxidant. Different antioxidants can have different oxidation induction times or temperatures. Due to interaction of the antioxidant with other substances in the formulation, different oxidation induction times or temperatures can result even with products having the same type and concentration of antioxidant.

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