SLOVENSKI STANDARD
kSIST FprEN ISO 11357-4:2014

01-april-2014

Polimerni materiali - Diferenčna dinamična kalorimetrija (DSC) - 4. del: Ugotavljanje specifične toplotne kapacitete (ISO/FDIS 11357-4:2014)

Plastics - Differential scanning calorimetry (DSC) - Part 4: Determination of specific heat capacity (ISO/FDIS 11357-4:2014)

Kunststoffe - Dynamische Differenz-Thermoanalyse (DSC) - Teil 4: Bestimmung der spezifischen Wärmekapazität (ISO/FDIS 11357-4:2014)

Plastiques - Analyse calorimétrique différentielle (DSC) - Partie 4: Détermination de la capacité thermique massique (ISO/FDIS 11357-4:2014)

Ta slovenski standard je istoveten z: **FprEN ISO 11357-4**

ICS:

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83.080.01	Polimerni materiali na splošno	Plastics in general

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INTERNATIONAL
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11357-4**

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Plastics — Differential scanning calorimetry (DSC) —

Part 4: Determination of specific heat capacity

Plastiques — Analyse calorimétrique différentielle (DSC) —

Partie 4: Détermination de la capacité thermique massique

Please see the administrative notes on page iii

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ISO/CEN PARALLEL PROCESSING

This final draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement. The final draft was established on the basis of comments received during a parallel enquiry on the draft.

This final draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel two-month approval vote in ISO and formal vote in CEN.

Positive votes shall not be accompanied by comments.

Negative votes shall be accompanied by the relevant technical reasons.

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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. www.iso.org/directives

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The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical and chemical properties*.

This second edition cancels and replaces the first edition (ISO 11357-4:2005). This minor revision contains the following changes:

a) all normative reference were changed into undated ones;

b) the term "pan" was replaced by "crucible" within the whole text;

c) the endothermic direction, a, was added in all figures and key.

ISO 11357 consists of the following parts, under the general title *Plastics — Differential scanning calorimetry (DSC)*:

— *Part 1: General principles*

— *Part 2: Determination of glass transition temperature and glass transition step height*

— *Part 3: Determination of temperature and enthalpy of melting and crystallization*

— *Part 4: Determination of specific heat capacity*

— *Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion*

— *Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)*

— *Part 7: Determination of crystallization kinetics*