ICS 83.080.01 SLOVENSKÁ TECHNICKÁ NORMA August 2020

STN	**Plasty Diferenčná snímacia kalorimetria (DSC) Časť 2: Stanovenie teploty skleného prechodu a skokovej zmeny tepelnej kapacity (ISO 11357-2: 2020)**	**STN EN ISO 11357-2** 64 0748

Plastics - Differential scanning calorimetry (DSC) - Part 2: Determination of glass transition temperature and step height (ISO 11357-2:2020)

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. 07/20

Obsahuje: EN ISO 11357-2:2020, ISO 11357-2:2020

Oznámením tejto normy sa ruší
STN EN ISO 11357-2 (64 0748) zo septembra 2014

130926

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11357-2

March 2020

ICS 83.080.01 Supersedes EN ISO 11357-2:2014

English Version

Plastics - Differential scanning calorimetry (DSC) - Part 2: Determination of glass transition temperature and step height (ISO 11357-2:2020)

Plastiques - Analyse calorimétrique différentielle (DSC) - Partie 2: Détermination de la température et de la hauteur de palier de transition vitreuse (ISO 11357-2:2020)

Kunststoffe - Dynamische Differenz-Thermoanalyse (DSC) - Teil 2: Bestimmung der Glasübergangstemperatur und der Glasübergangsstufenhöhe (ISO 11357-2:2020)

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Ref. No. EN ISO 11357-2:2020 E

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European foreword

This document (EN ISO 11357-2:2020) 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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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INTERNATIONAL STANDARD

ISO 11357-2

Third edition
2020-03

Plastics — Differential scanning calorimetry (DSC) —

Part 2: Determination of glass transition temperature and step height

Plastiques — Analyse calorimétrique différentielle (DSC) —

Partie 2: Détermination de la température et de la hauteur de palier de transition vitreuse

Reference number
ISO 11357-2:2020(E)

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Published in Switzerland

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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 (see 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*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 11357-2:2013), which has been technically revised. The main changes compared to the previous edition are as follows:

— revision of definition of glass transition step height;

— correction of unit of glass transition step height;

— assessment of methods for determination of T_g;

— revision of rounding of T_g;

— strong restriction of re-using crucibles.

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

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.

INTERNATIONAL STANDARD **ISO 11357-2:2020(E)**

Plastics — Differential scanning calorimetry (DSC) —

Part 2: Determination of glass transition temperature and step height

1 Scope

This document specifies methods for the determination of the glass transition temperature and the step height related to the glass transition of amorphous and partially crystalline plastics.

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.

ISO 472, *Plastics — Vocabulary*

ISO 11357-1, *Plastics — Differential scanning calorimetry (DSC) — Part 1: General principles*

