

<b>STN</b>	<b>Plasty</b> <b>Diferenčná snímacia kalorimetria (DSC)</b> <b>Časť 3: Stanovenie teploty a entalpie</b> <b>tavenia a kryštalizácie</b> <b>(ISO 11357-3: 2025)</b>	<b>STN</b> <b>EN ISO 11357-3</b>
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Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3:2025)

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. 08/25

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## English Version

Plastics - Differential scanning calorimetry (DSC) - Part 3:  
Determination of temperature and enthalpy of melting and  
crystallization (ISO 11357-3:2025)

Plastiques - Analyse calorimétrique différentielle (DSC)  
- Partie 3: Détermination de la température et de  
l'enthalpie de fusion et de cristallisation (ISO 11357-  
3:2025)

Kunststoffe - Dynamische Differenzkalorimetrie (DSC)  
- Teil 3: Bestimmung der Schmelz- und  
Kristallisationstemperatur und der Schmelz- und  
Kristallisationsenthalpie (ISO 11357-3:2025)

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## European foreword

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# International Standard

**ISO 11357-3**

## Plastics — Differential scanning calorimetry (DSC) —

### Part 3: Determination of temperature and enthalpy of melting and crystallization

*Plastiques — Analyse calorimétrique différentielle (DSC) —  
Partie 3: Détermination de la température et de l'enthalpie de  
fusion et de cristallisation*

**Fourth edition  
2025-05**

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## Foreword

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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 fourth edition cancels and replaces the third edition (ISO 11357-3:2018), which has been technically revised.

The main changes are as follows:

- the scope has been limited to conventional DSC excluding fast DSC.

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

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# Plastics — Differential scanning calorimetry (DSC) —

## Part 3: Determination of temperature and enthalpy of melting and crystallization

### 1 Scope

This document specifies a method for the determination of the temperatures and enthalpies of melting and crystallization of crystalline or partially crystalline plastics using conventional DSC as specified in ISO 11357-1.

This document is not applicable to fast DSC as specified in ISO 23976.

### 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*

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