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AMENDMENT 1
2005-07-01

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

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

AMENDMENT 1

Plastiques — Analyse calorimétrique différentielle (DSC) —

*Partie 3: Détermination de la température et de l'enthalpie de fusion et
de cristallisation*

AMENDEMENT 1

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
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Foreword

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Amendment 1 to ISO 11357-3:1999 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*.

Plastics — Differential scanning calorimetry (DSC) —

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

AMENDMENT 1

Page 1, Clause 2

Add the year of publication of ISO 472 (1999) and delete the footnote.

Page 3, Subclause 9.4.2

Add the following note at the end of the subclause:

NOTE It is advisable to always consult the appropriate international material standard for the temperature scan rate. Some semi-crystalline and/or crystalline polymers may exhibit a higher melting temperature when heated at 20 °C/min than that observed by the classical methods in ISO 3146. A temperature scan rate of 10 °C/min is appropriate for these materials and is also the required scan rate in ISO 10350-1.

Page 4, Subclause 9.4.4

Add the following note at the end of the subclause:

NOTE 3 See Note to 9.4.2.

Page 4, Subclause 9.4.6

Add the following note at the end of the subclause:

NOTE See Note to 9.4.2.

Page 6, Clause 12

Add the following item at the end of the clause:

— the heating and cooling rates, in °C/min.

Page 7

Add the following references to the Bibliography:

- [8] ISO 3146, *Plastics — Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods*
- [9] ISO 10350-1, *Plastics — Acquisition and presentation of comparable single-point data — Part 1: Moulding materials*

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