



ISO 11357-6

Plastics — Differential scanning calorimetry (DSC) —

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

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)

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This fourth edition cancels and replaces the third edition (ISO 11357-6:2018), which has been technically revised.

The main changes are as follows:

- the isothermal stepwise temperature calibration has been added for isothermal OIT.

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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. However, 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.