



# **MALAYSIAN STANDARD**

**MS ISO 11357-6:2004**

## **PLASTICS – DIFFERENTIAL SCANNING CALORIMETRY (DSC) – PART 6: DETERMINATION OF OXIDATION INDUCTION TIME (ISO 11357-6:2002, IDT)**

**ICS: 83.080.01**

Descriptors: plastics, test, determination, conditioning, test specimens, differential scanning calorimetry (DSC), oxidation induction time, polymeric materials

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## Committee representation

The Plastics and Plastics Products Industry Standards Committee (ISC J) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Department of Standards Malaysia  
Federation of Malaysian Manufacturers  
Institut Kimia Malaysia  
Jabatan Kerja Raya  
Lembaga Getah Malaysia  
Malaysian Petrochemical Association  
Malaysian Plastics Manufacturers Association  
Ministry of Domestic Trade and Consumer Affairs  
Ministry of Health  
Plastics and Rubber Institute of Malaysia  
SIRIM Berhad (Plastics and Ceramics Programme)  
SIRIM QAS International Sdn Bhd  
The Institution of Engineers, Malaysia  
Universiti Kebangsaan Malaysia  
Universiti Sains Malaysia  
Universiti Teknologi Malaysia

The Technical Committee on General Methods of Test for Plastics which developed this Malaysian Standard consists of representatives from the following organisations:

Azman Hamzah Plastik Sdn Bhd  
Federation of Malaysian Manufacturers  
Hicom Teck See Manufacturing (M) Sdn Bhd  
IKRAM C and S Sdn Bhd  
Institut Kimia Malaysia  
Polypropylene (M) Sdn Bhd  
SIRIM Berhad (Plastics and Ceramics Programme)  
SIRIM Berhad (Secretariat)  
Universiti Kebangsaan Malaysia  
Universiti Teknologi Malaysia  
Universiti Teknologi MARA

## NATIONAL FOREWORD

This Malaysian Standard was developed by the Technical Committee on General Methods of Test for Plastics under the authority of the Plastics and Plastics Products Industry Standards Committee.

This Malaysian Standard is identical with ISO 11357-6:2002, *Plastics – Differential scanning calorimetry (DSC) – Part 6: Determination of oxidation induction time*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, “this International Standard” should read “this Malaysian Standard”;
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) references to International Standards should be replaced by equivalent Malaysian Standards as follows:

Referenced International Standard:

Corresponding Malaysian Standard:

ISO 291:1997, *Plastics – Standard atmospheres for conditioning and testing*

MS ISO 291:2000, *Plastics – Standard atmospheres for conditioning and testing*

ISO 11357-1:1997, *Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles*

MS ISO 11357-1:1999, *Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles*

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NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21.

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

**Part 6:  
Determination of oxidation induction time**

*Plastiques — Analyse calorimétrique différentielle (DSC) —*

*Partie 6: Détermination du temps d'induction à l'oxydation*



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