



MALAYSIAN STANDARD

MS ISO 75-1:2007

PLASTICS – DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD – PART 1: GENERAL TEST METHOD (FIRST REVISION) (ISO 75-1:2004, IDT)

ISO 75-1:2004 is endorsed as Malaysian Standard with the reference number MS ISO 75-1:2007.

ICS: 83.080.01

Descriptors: plastics, test, deflection, temperature, flexural stress, three-point loading

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Committee representation

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

Department of Standards Malaysia
Federation of Malaysian Manufacturers
Malaysian Association of Standards Users
Malaysian Institute of Chemistry
Malaysian Petrochemical Association
Malaysian Plastics Manufacturers Association
Malaysian Rubber Board
Ministry of Domestic Trade and Consumers Affairs
Ministry of Health Malaysia
Ministry of International Trade and Industry Malaysia
Plastics and Rubber Institute of Malaysia
Public Works Department Malaysia
SIRIM Berhad (Advanced Polymer and Composites 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 recommends adoption of the ISO Standard consists of representatives from the following organisations:

Federation of Malaysian Manufacturers

IKRAM Research Centre Sdn Bhd

Malaysian Institute of Chemistry

Polypropylene (M) Sdn Bhd

SIRIM Berhad (Advanced Polymer and Composites Programme)

SIRIM Berhad (Secretariat)

Universiti Kebangsaan Malaysia

Universiti Teknologi Malaysia

Universiti Teknologi MARA

MS ISO 75-1:2007

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended 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 the first revision of MS ISO 75-1.

This Malaysian Standard is identical with ISO 75-1:2004, *Plastics – Determination of temperature of deflection under load – Part 1: General test method*, 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) reference(s) to International Standards should be replaced by equivalent Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 75-2:2004, <i>Plastics – Determination of temperature of deflection under load – Part 2: Plastics and ebonite</i>	MS ISO 75-2, <i>Plastics – Determination of temperature of deflection under load – Part 2: Plastics and ebonite</i>
ISO 75-3:2004, <i>Plastics – Determination of temperature of deflection under load – Part 3: High-strength thermosetting laminates and long-fibre-reinforced plastics</i>	MS ISO 75-3, <i>Plastics – Determination of temperature of deflection under load – Part 3: High-strength thermosetting laminates and long-fibre-reinforced plastics</i>
ISO 291, <i>Plastics – Standard atmospheres for conditioning and testing</i>	MS ISO 291, <i>Plastics – Standard atmospheres for conditioning and testing</i>

This Malaysian Standard cancels and replaces MS ISO 75-1:1999, *Plastics – Determination of temperature of deflection under load – Part 1: General test method*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

**Plastics — Determination of temperature of
deflection under load —**

Part 1:
General test method

*Plastiques — Détermination de la température de fléchissement sous
charge —*

Partie 1: Méthode d'essai générale



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