



MALAYSIAN STANDARD

MS ISO 175:2012

**Plastics - Methods of test for the
determination of the effects of immersion in
liquid chemicals
(First revision)
(ISO 175:2010, IDT)**

ICS: 83.080.01

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CONTENTS

	Page
Committee representation.....	ii
National foreword.....	iii
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Principle	2
4 General requirements and procedure	2
4.1 Test liquids.....	2
4.2 Test conditions	2
4.3 Immersion time	3
4.4 Test specimens.....	3
4.5 Conditioning	4
4.6 Procedure	4
4.7 Expression of results	5
5 Determination of changes in mass, dimensions and appearance	6
5.1 General	6
5.2 Apparatus	6
5.3 Test specimens.....	7
5.4 Determination of changes in mass.....	8
5.5 Determination of changes in dimensions	10
5.6 Determination of changes in colour or other appearance attributes.....	12
6 Determination of changes in other physical properties.....	13
6.1 General	13
6.2 Apparatus	13
6.3 Test specimens.....	13
6.4 Procedure	13
6.5 Calculation and expression of results	14
7 Precision	14
8 Test report.....	15
Annex A (normative) Types of test liquid.....	16
Annex B (informative) Notes on the absorption of moisture by plastic specimens in equilibrium with a conditioning atmosphere	19
Bibliography.....	20

MS ISO 175:2012

Committee representation

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

Department of Standards Malaysia
Federation of Malaysian Manufacturers
Jabatan Kerja Raya Malaysia
Malaysian Association of Standards Users
Malaysian Institute of Chemistry
Malaysian Petrochemical Association
Malaysian Plastics Manufacturers Association
Malaysian Rubber Board
Ministry of Domestic Trade, Co-operatives and Consumerism
Ministry of Health Malaysia
Ministry of International Trade and Industry
SIRIM Berhad (Advanced Polymer and Composites Programme)
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Department)
The Institution of Engineers, Malaysia
The Plastics and Rubber Institute of Malaysia
Universiti Kebangsaan Malaysia
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on General Methods of Test for Plastics which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Federation of Malaysian Manufacturers
Hicom-Teck See Manufacturing Sdn Bhd
IKRAM QA Services Sdn Bhd
Malaysian Institute of Chemistry
Polypropylene Malaysia Sdn Bhd
SIRIM Berhad (Advanced Polymer and Composites Programme)
SIRIM Berhad (Secretariat)
Universiti Kebangsaan Malaysia
Universiti Teknologi Malaysia
Universiti Teknologi MARA

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 Industry Standards Committee on Plastics and Plastics Products.

This Malaysian Standard is the first revision of MS ISO 175, *Plastics - Methods of test for the determination of the effects of immersion in liquid chemicals*.

This Malaysian Standard is identical with ISO 175:2010, *Plastics - Methods of test for the determination of the effects of immersion in liquid chemicals*, 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 to International Standards should be replaced by corresponding Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 291, <i>Plastics - Standard atmospheres for conditioning and testing</i>	MS ISO 291, <i>Plastics - Standard atmospheres for conditioning and testing</i>
ISO 294-3, <i>Plastics - Injection moulding of test specimens of thermoplastic materials - Part 3: Small plates</i>	MS ISO 294-3, <i>Plastics - Injection moulding of test specimens of thermoplastic materials - Part 3: Small plates</i>
ISO 2818, <i>Plastics - Preparation of test specimens by machining</i>	MS ISO 2818, <i>Plastics - Preparation of test specimens by machining</i>
ISO 4582, <i>Plastics - Determination of changes in colour and variations in properties after exposure to daylight under glass, natural weathering or laboratory light sources</i>	MS ISO 4582, <i>Plastics - Determination of changes in colour and variations in properties after exposure to daylight under glass, natural weathering or laboratory light sources</i>

This Malaysian Standard cancels and replaces MS ISO 175:2001.

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.