



# MALAYSIAN STANDARD

MS ISO 2782:2007

## RUBBER, VULCANIZED OR THERMOPLASTIC – DETERMINATION OF PERMEABILITY TO GASES (FIRST REVISION) (ISO 2782:2006, IDT)

ISO 2782:2006 is endorsed as Malaysian Standard with the reference number MS ISO 2782:2007.

**ICS: 83.060**

Descriptors: vulcanized rubber, thermoplastic rubber, permeability to gases

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## Committee representation

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

Association of Malaysian Medical Industries  
Department of Standards Malaysia  
Malaysian Association of Tyre Retreaders and Dealers Society  
Malaysian Latex and Rubber Thread Manufacturers' Association  
Malaysian Rubber Board  
Malaysian Rubber Export Promotion Council  
Malaysian Rubber Glove Manufacturers' Association  
Malaysian Rubber Products Manufacturers' Association  
Ministry of Health Malaysia  
Ministry of International Trade and Industry  
Plastic and Rubber Institute of Malaysia  
Universiti Kebangsaan Malaysia  
Universiti Sains Malaysia

The Technical Committee on Physical Tests which recommends the adoption of the ISO Standard is managed by the Malaysian Rubber Board in its capacity as an authorised Standards-Writing Organisation and consists of representatives from the following organisations:

Linatex Rubber Sdn Bhd  
Malaysian Rubber Board  
Plastics and Rubber Institute of Malaysia  
Sime Continental Sdn Bhd  
SIRIM Berhad  
Universiti Teknologi MARA

## MS ISO 2782:2007

### NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Physical Tests under the authority of the Rubber and Rubber Products Industry Standards Committee. Development of this standard was carried out by the Malaysian Rubber Board which is the Standards-Writing Organisation (SWO) appointed by SIRIM Berhad to develop standards for rubber and rubber products.

This Malaysian Standard is identical with ISO 2782:2006, *Rubber, vulcanized or thermoplastic – Determination of permeability to gases*, 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”; and
- b) the comma which is used as a decimal sign (if any), to read as a point.

This Malaysian Standard is the first revision of MS ISO 2782.

This Malaysian Standard cancels and replaces MS ISO 2782:1999, *Rubber, vulcanized or thermoplastic - Determination of permeability to gases*.

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.

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**Rubber, vulcanized or thermoplastic —  
Determination of permeability to gases**

*Caoutchouc vulcanisé ou thermoplastique — Détermination de la  
perméabilité aux gaz*

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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2782 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 2, *Testing and analysis*.

This third edition cancels and replaces the second edition (ISO 2782:1995), which has been revised to update the normative references (ISO 471 and ISO 3383 have been replaced by ISO 23529).