MALAYSIAN STANDARD

MS 2763-7:2024

Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 7: Guidance for the assessment of conformity (First revision) (ISO/TS 15876-7:2018, MOD)

ICS: 03.120.20; 23.040.20; 91.140.60

Descriptors: plastics, products, pipes, polybutylene, piping system, assessment of conformity, hot and cold water

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Committee representation

The National Standards Committee on Plastics and Plastics Products (NSC 10) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Malaysian Institute of Chemistry
Malaysian Plastics Manufacturers Association
Malaysian Rubber Board
Ministry of Domestic Trade and Costs of Living
Ministry of Health
Ministry of Investment, Trade and Industry
National Water Services Commission
Plastics and Rubber Institute of Malaysia
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Kuala Lumpur
Universiti Pertahanan Nasional Malaysia
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Plastics Pipes and Fittings (NSC 10/TC 2) which supervised the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Aliaxis
Azeeta Pipe System Sdn Bhd
Department of Standards Malaysia (Secretariat)
George Fischer (M) Sdn Bhd
Ke Kelit Manufacturing (M) Sdn Bhd
Lesso Malaysia Industries Sdn Bhd
National Water Services Commission
Paling Industries Sdn Bhd
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PETRONAS Chemicals Group Berhad
Piping Technology Sdn Bhd
Ranhill SAJ Sdn Bhd
SAI Water Consultancy Sdn Bhd
SIRIM QAS International Sdn Bhd (Plastics and Composite Materials Section)
SIRIM QAS International Sdn Bhd (Products Certification Section)
Spirolite (M) Sdn Bhd
The Institution of Engineers, Malaysia

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Committee representation *(continued)*

The Working Group on Polybutylene (PB) Pipes and Fittings (NSC 10/TC 2/WG 3) which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

ANQAS Certification Sdn Bhd
Buteline (M) Sdn Bhd
Department of Standards Malaysia (Secretariat)
IKRAM QA Services Sdn Bhd
Jabatan Kerja Raya
National Water Services Commission
Pengurusan Air Selangor Bhd
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Department)
SIRIM QAS International Sdn Bhd (Testing Services Department)
The Institution of Engineers
TUV-SUD Malaysia Sdn Bhd
Universiti Teknologi MARA
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National foreword

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Working Group on Polybutylene (PB) Pipes and Fittings (NSC 10/TC 2/WG 3) under the authority of the National Standards Committee on Plastics and Plastics Products (NSC 10).

This first revision of MS 2763-7 cancels and replaces MS ISO 15876-7:2004, *Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 7: Guidance for the assessment of conformity* (ISO/TS 15876-7:2003, MOD).

This Malaysian Standard is a modified adoption of ISO 15876-7:2018, *Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 7: Guidance for the assessment of conformity* published by International Standardization Organization (ISO) with the following modifications:

a) in the source text, “this international standard” should read as “this Malaysian Standard”;

b) in the source text, “ISO 15876” should read as “MS 2763”;

c) the comma which is used as a decimal sign (if any), to read as a point;

d) the second paragraph of the “Introduction” found in this standard is excluded as it is not applicable in Malaysia;

e) incorporation of National Annex A on “Fitting groups”;

f) incorporation of National Annex B on “Type testing”;

g)

Clause/Subclause	**Modifications**
6.1.4 Table 3	Replace “Table 3” with “Table NA.1”.

Explanation: To make it more comprehensive, Fitting Group 1 has been categorized into two groups.

6.2 Table 5	Replace “Table 5” with “Table NB.1”.

Explanation: The characteristic for influence on water intended for human consumption has been revised to meet the specification stated in Malaysian Standard, MS 1583, *Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water*.

The manufacturer's evaluation procedure has been removed to standardize the sampling procedure performed by third-party certification bodies.

Footnote [b] has been removed because it is no longer applicable in this revised standard.

Footnote [c] and footnote [d] have been removed because the requirement of hydrostatic test has been fulfilled under 4.2 of MS 2763-2.

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National foreword *(continued)*

6.2	Table 6	Replace “Table 6” with “Table NB.2”.

Explanation: The characteristic for influence on water intended for human consumption has been revised to meet the specification stated in Malaysian Standard, MS 1583, *Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water*.

The table includes PN (bar) to make it easy for the user to associate with the pipe's pressure rating.

6.2	Table 7	Replace “Table 7” with “Table NB.3”.

Explanation: The manufacturer's evaluation procedure has been removed to standardize the sampling procedure performed by third-party certification bodies.

Footnote [b] has been removed because it is no longer applicable in this revised standard.

6.3	Table 8, Minimum sampling frequency	Replace the “1 test piece at start-up per machine” of “Melt flow rate” with “1 test piece at startup per material batch”.

Explanation: Sampling plan for melt flow rate has been revised due to consistency of the process parameters used for each production cycle.

6.3	Table 9, Minimum sampling frequency	Replace the “1 test piece at start-up per machine” of “Melt flow rate” with “1 test piece at startup per material batch”.

Explanation: Sampling plan for melt flow rate has been revised due to consistency of the process parameters used for each production cycle.

h) references to International Standards should be replaced by equivalent Malaysian Standards as follows:

Referenced International Standards	Corresponding Malaysian Standards
ISO 15876-1, *Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 1: General*	MS 2763-1, *Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 1: General*
ISO 15876-2, *Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 2: Pipes*	MS 2763-2, *Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 2: Pipes*
ISO 15876-3, *Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 3: Fittings*	MS 2763-3, *Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 3: Fittings*
ISO 15876-5, *Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 5: Fitness for purpose of the system*	MS 2763-5, *Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 5: Fitness for purpose of the system*

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National foreword *(continued)*

MS 2763 consists of the following parts, under the general title, *Plastics piping systems for hot and cold water installations - Polybutylene (PB)*:

Part 1: General

Part 2: Pipes

Part 3: Fittings

Part 5: Fitness for purpose of the system

Part 7: Guidance for the assessment of conformity

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

NOTE. MOD on the front cover indicates a modified standard i.e. a standard adapted from an International Standard with permitted technical deviations, which are clearly identified and explained. The changes in structure are permitted provided that the altered structure permits easy comparison of the content of the two standards. Modified standards also include the changes permitted under identical correspondence.

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