MALAYSIAN STANDARD

MS 1058-3:2023

Polyethylene (PE) piping systems for water supply and for drainage and sewerage under pressure - Part 3: Fittings (First revision)

ICS: 23.040.20; 23.040.45; 91.140.60

Descriptors: plastics, products, polyethylene, pipes, piping system, fittings, specification, materials, geometric characteristics, tests, marking, water supply, drainage, sewerage

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Selangor Darul Ehsan
MALAYSIA

Tel: 60 3 8008 2900
Fax: 60 3 8008 2901
http://www.jsm.gov.my
E-mail: central@jsm.gov.my

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Committee representation

The National Standards Committee on Plastics and Plastics Products (NSC 10) under whose authority this Malaysian Standard was developed, 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 development of this 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
Perbadanan Bekalan Air Pulau Pinang
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

Committee representation *(continued)*

The Working Group on Polyethylene (PE) Pipes and Fittings (NSC 10/TC 2/WG 1) which developed this Malaysian Standard consists of representatives from the following organisations:

ANQAS Certification Sdn Bhd
AWT Fusion Sdn Bhd
Azeeta Pipe System Sdn Bhd
Bina Plastic Sdn Bhd
Buteline Malaysia Sdn Bhd
Cew Sin Plastic Pipe Sdn Bhd
Department of Standards Malaysia (Secretariat)
Dura Mine Sdn Bhd
Fengye Piping (M) Sdn Bhd
George Fischer (M) Sdn Bhd
IKRAM QA Sdn Bhd
Indah Water Konsortium Sdn Bhd
Jabatan Kerja Raya
Ke Kelit Manufacturing (M) Sdn Bhd
Lesso Malaysia Industries Sdn Bhd
Lotte Chemical Titan Coorperation Sdn Bhd
Megapadu Sdn Bhd
National Water Services Commision
Pengurusan Air Pahang Berhad
Pengurusan Air Selangor
Perbadanan Bekalan Air Pulau Pinang
Petronas Chemical Sdn Bhd
Piping Technology Sdn Bhd
PTS Tech Solution Sdn Bhd
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Spind Malaysia
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Syarikat Air Terengganu
The Institution of Engineers, Malaysia
TUV SUD (M) Sdn Bhd
UiTM Shah Alam
Watermarks Certification (Malaysia) Sdn Bhd

Foreword

This Malaysian Standard was developed by the Working Group on Polyethylene (PE) Pipes and Fittings (NSC 10/TC 2/WG 1) under the authority of the National Standards Committee on Plastics and Plastics Products (NSC 10).

This first revision of MS 1058-3, cancels and replaces MS 1058: PART 3:2006, *Polyethylene (PE) piping systems for water supply – Part 3: Fittings*.

Major modifications in this revision are as follows:

a) the title has been changed to “Polyethylene (PE) piping systems for water supply and for drainage and sewerage under pressure - Part 3: Fittings”; and

b) in the revision of this standard, ISO 4427-3:2019, *Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE) — Part 3: Fittings* and EN 12201-3:2011, *Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings* has been referred to.

MS 1058 consists of the following parts, under the general title, *Polyethylene (PE) piping systems for water supply and for drainage and sewerage under pressure*:

Part 1: General

Part 2: Pipes

Part 3: Fittings

Part 4: Valves

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.