

AS/NZS ISO 11298.2:2023
ISO 11298-2:2018



Australian/New Zealand Standard™

Plastics piping systems for renovation of underground water supply networks

Part 2: Lining with continuous pipes



AS/NZS ISO 11298.2:2023

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- Australian Building Codes Board
- Australian Industry Group
- Energy Networks Australia
- Engineers Australia
- Gas Association of New Zealand
- Joint Accreditation System of Australia & New Zealand
- Plastic Industry Pipe Association of New Zealand
- Plastics Industry Pipe Association of Australia
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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee PL-006, Polyolefin Pipe Systems.

The objective of this document is to specify requirements and test methods for pipes and fittings which are part of plastics piping systems installed as continuous pipes in the renovation of underground water supply networks. This document is to be read in conjunction with AS/NZS ISO 11298.1:2023.

It is applicable to PE pipes of three different types—

- (a) PE solid wall single layered pipes (nominal outside diameter, d_n), including any identification stripes;
- (b) PE pipes with co-extruded layers on either or both the outside and inside of the pipe (total outside diameter, d_n), as specified in Annex A, where all layers have the same MRS rating; and
- (c) PE coated pipes (outside diameter, d_n) having a peelable, contiguous, thermoplastics additional layer on the outside of the pipe (“coated pipe”); see Annex A.

In addition, this document covers the following—

- (i) Jointing of pipe lengths by means of butt fusion; and
- (ii) Fabricated and injection-moulded fittings made of PE.

This document is applicable to PE pipes, fittings and assemblies intended to be used at an operating temperature of 20 °C as the reference temperature.

This document is identical with, and has been reproduced from, ISO 11298-2:2018, *Plastics piping systems for renovation of underground water supply networks — Part 2: Lining with continuous pipes*.

As this document has been reproduced from an International document, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

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National Foreword

For application within Australia and New Zealand, where the following ISO standards are referenced, see table below for AS or AS/NZS Standards that maybe used in place of the ISO Standards:

ISO Standard	Replace with
ISO 4427-1:2019, <i>Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE) — Part 1: General</i>	AS/NZS 4131:2010, <i>Polyethylene (PE) compounds for pressure pipes and fittings</i>
ISO 4427-2:2007, <i>Plastics piping systems — Polyethylene (PE) pipes and fittings for water supply — Part 2: Pipes</i>	AS/NZS 4130:2018, <i>Polyethylene (PE) pipes for pressure applications</i>
ISO 4427-3:2007, <i>Plastics piping systems — Polyethylene (PE) pipes and fittings for water supply — Part 3: Fittings</i>	AS/NZS 4129:2020, <i>Fittings for polyethylene (PE) pipes for pressure applications</i>
ISO 4435:2003, <i>Plastics piping systems for non-pressure underground drainage and sewerage — Unplasticized poly (vinyl chloride) (PVC-U)</i>	AS/NZS 1260:2017, <i>PVC-U pipes and fittings for drain, waste and vent applications</i>
ISO 4437-1:2014, <i>Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 1: General</i>	AS/NZS 4131:2010, <i>Polyethylene (PE) compounds for pressure pipes and fittings</i>
ISO 4437-2:2014, <i>Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 2: Pipes</i>	AS/NZS 4130:2018, <i>Polyethylene (PE) pipes for pressure applications</i>
ISO 4437-3:2014, <i>Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 3: Fittings</i>	AS/NZS 4129:2020, <i>Fittings for polyethylene (PE) pipes for pressure applications</i>
ISO 8772:2006, <i>Plastics piping systems for non-pressure underground drainage and sewerage — Polyethylene (PE)</i>	AS/NZS 5065:2005, <i>Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications</i>

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 8, *Rehabilitation of pipeline systems*.

A list of all parts in the ISO 11298 series can be found on the ISO website.