AS/NZS 7671:2010
(Incorporating Amendment Nos 1 and 2)

AS/NZS 7671:2010

Australian/New Zealand Standard™

Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings—Polypropylene (PP) (ISO 7671:2003, MOD)

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee PL-006, Polyolefin Pipe Systems. It was approved on behalf of the Council of Standards Australia on 9 July 2010 and on behalf of the Council of Standards New Zealand on 30 July 2010.
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The following are represented on Committee PL-006:

Certification Interests (Australia)
Energy Networks Association
Engineers Australia
Master Plumbers, Gasfitters and Drainlayers New Zealand
National Plumbing Regulators Forum
New Zealand Water and Waste Association
Plastics Industry Pipe Association of Australia
Plastics New Zealand
Plumbing Products Industry Group
Water Services Association of Australia

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This Standard was issued in draft form for comment as DR AS/NZS 7671.

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PREFACE

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

This Standard incorporates Amendment No. 1 (April 2013) and Amendment No. 2 (August 2014). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is an adoption with national modifications and has been reproduced from ISO 7671:2003, *Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings—Polypropylene (PP).*

The objective of this Standard is to specify the requirements for solid-wall polypropylene (PP) pipes and fittings for soil and waste discharge (low and high temperature) inside buildings, as well as the system itself. It does not include buried pipework.

Minor variations to the ISO Standard have been included in this document, which relate to normative references (some EN test methods have been replaced by current ISO or AS/NZS Standards) and marking requirements and do not change its technical content. These modifications and variations are listed in Appendix ZZ.

As this Standard is reproduced from an international Standard, the following applies:

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text ‘this International Standard’ should read ‘this Australian Standard’.

(c) A full point substitutes for a comma when referring to a decimal marker.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.

None of the normative references listed in Clause 2 have been adopted as Australian or Australian/New Zealand Standards.

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Pipes and fittings conforming to this International Standard also meet the requirements of EN 1451-1 which are applicable to those pipes and fittings which, according to EN 1451-1, are intended to be used inside buildings (application area code “B”, see EN 1451-1) only.

AUSTRALIAN/NEW ZEALAND STANDARD

Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings—Polypropylene (PP) (ISO 7671:2003, MOD)

1 Scope

This International Standard specifies the requirements for solid-wall polypropylene (PP) pipes and fittings for soil and waste discharge (low and high temperature) inside buildings, as well as the system itself. It does not include buried pipework.

It also specifies the test parameters for the test methods referred to in this International Standard.

This International Standard is applicable to PP pipes and fittings, as well as assemblies of such pipes and fittings, intended to be used for the following purposes:

a) soil and waste discharge pipework for the conveyance of domestic waste waters (low and high temperature);

b) ventilation pipework associated with a);

c) rainwater pipework inside the building.

It is applicable to pipes and fittings for jointing by means of elastomeric sealing rings or by butt fusion.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 265-1, *Pipes and fittings of plastics materials — Fittings for domestic and industrial waste pipes — Basic dimensions: Metric series — Part 1: Unplasticized poly(vinyl chloride) (PVC-U)*

ISO 1133:1997, *Plastics — Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics*

ISO 3126:—[1)], *Plastics piping systems — Plastics components — Determination of dimensions*

EN 681-1, *Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 1: Vulcanized rubber*

EN 681-2, *Elastomeric seals — Materials requirements for pipe joint seals used in water and drainage applications — Part 2: Thermoplastic elastomers*

EN 728, *Plastics piping and ducting systems — Polyolefin pipes and fittings — Determination of oxidation induction time*

1) To be published. (Revision of ISO 3126:1974)