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Australian Standard™

# Elastomeric seals for waterworks purposes

# Part 2: Material requirements for pipe joint seals used in water and wastewater applications—Specified by prescriptive formulation

Standards Australia

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This Australian Standard was prepared by Committee WS/10, Flexible Jointing Gaskets. It was approved on behalf of the Council of Standards Australia on 31 March 2000 and published on 28 April 2000.

The following interests are represented on Committee WS/10:

Australasian Plastics and Rubber Institute

Australian Association of Certification Bodies

Australian Chamber of Commerce and Industry

Australian Industry Group

Concrete Pipe Association of Australasia

Master Plumbers Association of Queensland

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# Elastomeric seals for waterworks purposes

# Part 2: Material requirements for pipe joint seals used in water and wastewater applications—Specified by prescriptive formulation

Originated as AS A139—1964.
Previous edition AS 1646—1992.
Revised and redesignated in part as AS 1646.2—2000.

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# PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/10, Flexible Jointing Gaskets, to supersede, in part, AS 1646—1992, *Elastomeric seals for waterworks purposes.*

This Standard is the result of a consensus among Australia and New Zealand representatives on the Joint Committee to produce it as an Australian Standard.

The objective of this Standard is to set out requirements for a wide range of seals used in the water and wastewater industries including the material requirements for specific applications.

AS 1646 is a suite of Standards that covers elastomeric seals. To date the suite is comprised of the following:

| AS | | |
|---|---|---|
| 1646 | Elastomeric seals for waterworks | |
| 1646.1 | Part 1: | General requirements |
| 1646.2 | Part 2: | Material requirements for pipe joint seals used in water and wastewater applications—Specified by prescriptive formulation (this Standard) |
| 1646.3 | Part 3: | Material requirements for pipe joint seals used in water and wastewater applications with the exception of natural rubber and polyisoprene compounds |

The previous edition of AS 1646 has been retained and amended, and incorporated into Parts 1 and 2, significantly, for its valuable information on natural rubber.

This Standard necessarily deals with existing conditions, but is not intended to discourage innovation or to exclude materials, equipment and methods which may be developed in future. Revisions will be made from time to time in view of such developments and amendments to this edition will be made only when absolutely necessary.

Where possible the suite of Standards (Parts 1 to 3) makes reference to ISO Standards, which have been taken into consideration at the time of preparation of this Standard.

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

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