

Australian Standard<sup>®</sup>

**Elastomeric seals—Material  
requirements for pipe joint seals used in  
water and drainage applications**

**Part 2: Thermoplastic elastomers**



This Australian Standard® was prepared by Committee WS-010, Flexible Jointing Gaskets. It was approved on behalf of the Council of Standards Australia on 10 July 2007. This Standard was published on 5 February 2008.

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The following are represented on Committee WS-010:

- Australasian Plastics and Rubber Institute
  - Australian Chamber of Commerce and Industry
  - Australian Industry Group
  - Certification Interests (Australia)
  - Plastics Industry Pipe Association of Australia
  - Rubber Manufacturers Association of Australasia
  - Water Services Association of Australia
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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## PREFACE

This Standard was prepared by the Standards Australia Committee WS-010, Flexible Jointing Gaskets to supersede AS 1646.4.

The objective of this Standard is to set out requirements for thermoplastic elastomer and thermoplastic vulcanizate seals used in gravity sewerage, drainage and rainwater harvesting systems and non-pressure non-drinking water supply, including the material requirements for specific applications.

This Standard is identical with, and has been reproduced from EN 681-2—2000, *Elastomeric seals—Material requirements for pipe joint seals used in water and drainage application, Part 2: Thermoplastic elastomers*.

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.
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References to International Standards should be replaced by references to Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
37	Rubber, vulcanized or thermoplastic—Determination of tensile stress-strain properties	1683	Methods of test for elastomers
		1683.11	Tension testing of vulcanized or thermoplastic rubber
48	Rubber, vulcanized or thermoplastic—Determination of hardness (hardness between 10 IRHD and 100 IRHD)	1683.15.1	International rubber hardness
188	Rubber, vulcanized or thermoplastic—Accelerated ageing and heat resistance tests	1683.26	Rubber, vulcanized or thermoplastic—Accelerated ageing and heat resistance tests
471	Rubber—Temperatures, humidities and times for conditioning and testing	1683.20	Standard temperatures, humidities and times for conditioning and testing
1431-1	Rubber, vulcanized or thermoplastic; resistance to ozone cracking; Part 1: static strain test	1683.24	Methods of test for rubber—Determination of the resistance of vulcanized or thermoplastic rubbers to ozone cracking—Static strain test
1817	Rubber, vulcanized—Determination of the effect of liquids	1683.23	Rubber—Vulcanized—Determination of resistance to liquids
2859-1	Sampling procedures for inspection by attributes—Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection	1199	Sampling procedures for inspection by attributes
		1199.1	Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

3951	Sampling procedures and charts for inspection by variables for percent nonconforming	2490	Sampling procedures and charts for inspection by variables for percent nonconforming
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