



## Lifejackets

### Part 2: Materials and components— Requirements and test methods

STANDARDS  
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This Australian Standard® was prepared by Committee CS-060, Lifejackets and Personal Safety Equipment for Small Craft. It was approved on behalf of the Council of Standards Australia on 24 July 2015.

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  - Boating Industries Alliance Australia
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- 

This Standard was issued in draft form for comment as DR AS 4758.2:2015.

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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Australian Standard<sup>®</sup>

**Lifejackets**

**Part 2: Materials and components—  
Requirements and test methods**

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## PREFACE

This Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee CS-060, Lifejackets and Personal Safety Equipment for Small Craft, to supersede AS 4758.2—2008, *Personal flotation devices, Part 2: Materials and components—Requirements and test methods*, 2 years from the date of publication.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide manufacturers with the requirements and test methods for the materials and components for use in the construction of lifejackets [also known as ‘personal flotation devices’ (PFDs)].

This Standard was revised to include requirements for:

- (a) Inflation indicators.
- (b) Gas cylinders.
- (c) Changes from personal floatation device to lifejacket.

This Standard is Part 2 of the following series:

AS	
4758	Lifejackets
4758.1	Part 1: General requirements
4758.2	Part 2: Materials and components—Requirements and test methods (this Standard)
4758.3	Part 3: Test methods

This Standard is based on but not equivalent to ISO 12402-7:2006, *Personal flotation devices, Part 7: Materials and components—Safety requirements and test methods*. Content from this Standard has been reproduced with the permission of ISO. The International Standard is available from SAI Global. Copyright remains with ISO.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

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## STANDARDS AUSTRALIA

**Australian Standard**  
**Lifejackets**

Part 2: Materials and components—Requirements and test methods

SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies the requirements for the structural materials and components and test methods for the construction of lifejackets.

**1.2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard.

## AS

3570 Automotive diesel fuel

4758 Lifejackets

4758.1 Part 1: General requirements

## ISO

139 Textiles—Standard atmospheres for conditioning and testing

1421 Rubber- or plastics-coated fabrics—Determination of tensile strength and elongation at break

1926 Rigid cellular plastics—Determination of tensile properties

2062 Textiles—Yarns from packages—Determination of single-end breaking force and elongation at break using constant rate of extension (CRE) tester

2411 Rubber- or plastics-coated fabrics—Determination of coating adhesion

3696 Water for analytical laboratory use—Specification and test methods

4674 Rubber or plastics coated fabrics—Determination of tear resistance

4674-1 Part 1: Constant rate of tear methods

7229 Rubber- or plastics-coated fabrics—Measurement of gas permeability

7854 Rubber- or plastics-coated fabrics—Determination of resistance to damage by flexing

9075 Textiles—Test methods for non-wovens

9075-4 Part 4: Determination of tear resistance

9227 Corrosion tests in artificial atmospheres—Salt spray tests

13934 Textiles—Tensile properties of fabrics

13934-1 Part 1: Determination of maximum force and elongation at maximum force using the strip method

13934-2 Part 2: Determination of maximum force using the grab method

13937 Textiles—Tear properties of fabrics

13937-2 Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)