

AS/NZS ISO 6529:2006
ISO 6529:2001

AS/NZS ISO 6529:2006

Australian/New Zealand Standard™

**Protective clothing—Protection against
chemicals—Determination of resistance
of protective clothing materials to
permeation by liquids and gases**



AS/NZS ISO 6529:2006

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-004, Occupational Protective Clothing. It was approved on behalf of the Council of Standards Australia on 3 February 2006 and on behalf of the Council of Standards New Zealand on 17 February 2006.
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The following are represented on Committee SF-004:

Apparel & Textile Federation of NZ
Association of Accredited Certification Bodies
Australasian Fire Authorities Council
Australian Business Limited
Australian Chamber of Commerce and Industry
Australian Industry Group
AWTA Textile Testing
Certification Interests (Australia)
Council of Textile and Fashion Industries of Australia
Department of Consumer & Employment Protection, WorkSafe Division (WA)
Department of Defence (Australia)
Textile Clothing & Footwear Union of Australia
The Australasian Assembly of Volunteer Fire Brigades Associations
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University of Otago, New Zealand
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This Standard was issued in draft form for comment as DR 05561.

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**Protective clothing—Protection against
chemicals—Determination of resistance
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permeation by liquids and gases**

Originated in Australia as part of AS 3765.1—1990.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-004, Occupational Protective Clothing to supersede, in part, AS 3765.1—1990, *Clothing for protection against hazardous chemicals*, Part 1: *Protection against general or specific chemicals* and AS/NZS 4503.1:1997, *Protective clothing—Protection against liquid chemicals*, Part 1: *Test method: Resistance of materials to permeation by liquids*. It is identical with and has been reproduced from ISO 6529:2001, *Protective clothing—Protection against chemicals—Determination of resistance of protective clothing materials to permeation by liquids and gases*.

The objective of this Standard is to describe a laboratory test method to determine the resistance of materials used in protective clothing to permeation by liquid or gaseous chemicals under the conditions of either continuous or intermittent contact. The objective of this revision is to adopt the current edition of ISO 6529.

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

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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS	
139	Textiles—Standard atmospheres for conditioning and testing	2001 2001.1	Methods of test for textiles Part 1: Conditioning procedures
2286	Rubber-or plastic-coated fabrics— Determination of roll characteristics	4878	Methods of test for coated fabrics
2286-2	Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate	4878.3	Method 3: Determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate
2286-3	Part 3: Method for determination of thickness	4878.4	Method 4: Determination of thickness
3801	Textiles—Woven fabrics— Determination of mass per unit length and mass per unit area	2001 2001.2.13	Methods of test for textiles Method 2.13: Physical tests— Determination of mass per unit area and mass per unit length of fabrics
5084	Textiles—Determination of thickness of textiles and textile products	2001.2.15	Method 2.15: Physical tests— Determination of thickness of textile fabrics

In the course of considering adoption of this Standard, Committee SF-004 agreed that the reader's attention should be drawn to the following points:

- (i) The issues of estimating and recording uncertainty in measurement is not addressed in this Standard. Users are encouraged to refer to '*Guide to Expression of Uncertainty in Measurement*' issued by BIPM, IEC, IFCC, ISO, IUPAC, IUPAP and OIML.

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- (ii) Caution is urged as the differences between levels of performance are dependent on the precision of the measurement and may not accurately reflect conditions of end use.

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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