AS 4877.3—2001
ISO 7617-3:1988

Australian Standard™

Rubber- or plastics-coated fabrics Part 3: Specification for polyurethane-coated woven fabrics

[ISO title: Plastics coated fabrics for upholstery—Part 3: Specification for polyurethane-coated woven fabrics]

Standards Australia

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Australian Wool Testing Authority

Council of Textile and Fashion Industries of Australia

Department of Defence

Furniture Association of New Zealand

Plastics and Chemicals Industries Association

Textile Distributors Association

Wool Research Organisation of New Zealand

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Rubber- or plastics-coated fabrics Part 3: Specification for polyurethane-coated woven fabrics

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TX-005, Coated Fabrics as an Australian Standard to supersede (in part) AS 1440—1973, *Vinyl (PVC) coated fabrics for upholstery and other purposes*, which was withdrawn in 1997.

The Standard is identical with and has been reproduced from ISO 7617-3:1988, *Plastics-coated fabrics for upholstery*, Part 1: *Specification for polyurethane-coated woven fabrics*.

The objective of this Standard is to provide manufacturers and testing bodies with suitable methods for testing polyurethane-coated woven fabrics.

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

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

(a) Its number appears on the cover and title page while the International Standard number appears only on the cover.

(b) In the source text, ‘this part of ISO 7617’ should read ‘this Australian Standard’.

(c) A full point should be substituted for a comma when referring to a decimal marker.

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

Reference to International Standard		*Australian Standard*	
ISO		AS	
105	Textiles—Tests for colour fastness	—	
105-A02	Part A02: Grey scale for assessing change in colour	—	
105-B01	Part B01: Colour fastness to light: Daylight	—	
105-B02	Part B02: Colour fastness to artificial light: Xenon arc fading lamp test		
105-X12	Part X12: Colour fastness to rubbing	—	
1421	Rubber- or plastics-coated fabrics—Determination of tensile strength and elongation of break	—	
2231	Rubber- or plastics-coated fabrics—Standard atmospheres for conditioning and testing	—	
2286	Rubber- or plastics-coated fabrics—Determination of roll characteristics	4878	Methods of test for coated fabrics
		4878.2	Part 2: Determination of length, width and net mass
		4878.3	Part 3: Determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate
		4878.4	Part 4: Determination of thickness
2411	Rubber- or plastics-coated fabrics—Determination of coating adhesion	4878.8	Part 8: Determination of coating adhesion

ISO		AS	
4674	Fabrics coated with rubber- or plastics—Determination of tear resistance	4878.7	Part 7: Determination of tear resistance
5978	Rubber- or plastics-coated fabrics—Determination of blocking resistance	4878.11	Part 11: Determination of blocking resistance
7854	Rubber- or plastics-coated fabrics—Determination of resistance to damage by flexing	4878.9	Part 9: Determination of resistance to damage by flexing

NOTES

AUSTRALIAN STANDARD

Rubber- or plastics-coated fabrics

Part 3:

Specification for polyurethane-coated woven fabrics

1 Scope

This part of ISO 7617 specifies requirements for polyurethane-coated fabrics for upholstered furniture, manufactured by applying to one side of a woven textile fabric a substantially continuous coating of a suitable polyurethane composition.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 7617. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 7617 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 105-A02 : 1987, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour.*

ISO 105-B01 : 1988, *Textiles — Tests for colour fastness — Part B01: Colour fastness to light: Daylight.*

ISO 105-B02 : 1988, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test.*

ISO 105-X12 : 1987, *Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing.*

ISO 1421 : 1977, *Fabrics coated with rubber or plastics — Determination of breaking strength and elongation at break.*

ISO 2231 : 1973, *Fabric coated with rubber or plastics — Standard atmospheres for conditioning and testing.*

ISO 2286 : 1986, *Rubber- or plastics-coated fabrics — Determination of roll characteristics.*

ISO 2411 : 1973, *Fabrics coated with rubber or plastics — Determination of the coating adhesion.*

ISO 4674 : 1977, *Fabrics coated with rubber or plastics — Determination of tear resistance.*

ISO 5978 : 1979, *Rubber- or plastics-coated fabrics — Determination of blocking resistance.*

ISO 7854 : 1984, *Rubber- or plastics-coated fabrics — Determination of resistance to damage by flexing (dynamic method).*

3 Technical requirements

3.1 Physical requirements

The material shall comply with the appropriate requirements of table 1.

3.2 Colour fastness requirements

The material shall comply with the requirements of table 2.

3.3 Visual examination

The coating of the material shall be uniformly applied and shall be free from visible flaws and cracks and when viewed under a magnification of X 10 shall be substantially free from pin holes. The base fabric, unless coated with an unpigmented coating, shall not be visible when viewed from the coated side.

3.4 Colour, grain and finish

The colour, grain and finish of the material, whether in single-colour or multicolour effects, shall be agreed between the purchaser and the supplier.

Colours shall be compared under the conditions stipulated in ISO 105-B01.

3.5 Width of material

The usable width of material when measured in accordance with ISO 2286 shall be as agreed between the purchaser and the supplier. For this purpose, the term "usable width" means the width of material that is coated in such a manner that it complies with the requirements of 3.3.