

Australian Standard™

AS 2001.2.25.2—2006

Methods of test for textiles

Method 2.25.2: Physical tests—Determination of the abrasion resistance of fabrics by the Martindale method—Determination of specimen breakdown

PREFACE

This Standard was prepared by the Standards Australian Committee TX-020, Testing of Textiles to supersede, in part, AS 2001.2.25—1990, *Methods of test for textiles*, Method 2.25: *Physical tests—Determination of flat abrasion of textile fabrics (Martindale abrasion method)*.

The objective of this Standard is to provide manufacturers and testing bodies with a Standard for the determination of the point of breakdown during Martindale abrasion testing.

This Standard is identical with and has been reproduced from ISO 12947-2:1998, *Textiles—Determination of the abrasion resistance of fabrics by the Martindale method—Part 2: Determination of specimen breakdown* and its Corrigendum 1:2002, which has been added after the main source text.

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

- Its number appears on the cover and title page while the International Standard number appears only on the cover.
- In the source text ‘this part of ISO 12947’ should read ‘this Australian Standard’.
- A full point should be substituted for a comma when referring to a decimal marker.

The reference to International Standard should be replaced by references to the following Australian Standards:

<i>References to International Standards</i>		<i>Australian Standards</i>	
ISO		AS	
105	Textiles—Tests for colourfastness	2001	Methods of test for textiles
105-A02	Part A02: Grey scale for assessing change in colour	2001.4.A02	Method 4.A02: Colourfastness—Grey scale for assessing change in colour
139	Textiles—Standard atmosphere for conditioning and testing	2001.1	Part 1: Conditioning procedures
2859	Sampling procedures for inspection by attributes	1199	Sampling procedures for inspection by attributes
2859-1	Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection	1199.1	Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

ISO		AS	
12947	Textiles—Determination of the abrasion resistance of fabrics by the Martindale method	2001	Methods of test for textiles
12947-1	Part 1: Martindale abrasion testing apparatus	2001.2.25.1	Method 2.25.1: Physical tests—Determination of abrasion resistance of fabrics by the Martindale method—Martindale abrasion testing apparatus

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

1 Scope

This part of ISO 12947 is applicable to the determination of the inspection interval to breakdown of specimens covering all textile fabrics including nonwovens apart from fabrics where the specifier indicates the end performance as having a low abrasion wear life.

NOTE Further introductory comments are given in Part 1 of this International Standard.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12947. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 12947 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 105-A02:1993, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*.

ISO 139:1973, *Textiles — Standard atmospheres for conditioning and testing*.

ISO 2859-1:—¹⁾, *Sampling procedures for inspection by attributes — Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection*.

ISO 12947-1:1998, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 1: Martindale abrasion testing apparatus*.

3 Definitions

For the purposes of this part of ISO 12947 the definitions given in ISO 12947-1, as well as the following apply.

3.1

thread

textile yarn, either single or resulting from twisting together two or more single or folded yarns

1) To be published. (Revision of ISO 2859-1:1989)