

Australian/New Zealand Standard™

**Specification for woven wool packs for greasy wool**

#### **AS/NZS 4546:2004**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TX-012, Wool. It was approved on behalf of the Council of Standards Australia on 24 March 2004 and on behalf of the Council of Standards New Zealand on 26 March 2004. It was published on 12 May 2004.

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The following are represented on Committee TX-012:

Australian Council of Wool Exporters  
Australian Wool Exchange  
Australian Wool Innovation  
Australian Wool Processors Council  
CSIRO—Textile and Fibre Technology  
Inland Woolbrokers Association, Australia  
International Accreditation New Zealand  
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Australian/New Zealand Standard<sup>TM</sup>

**Specification for woven wool packs for greasy wool**

Originated as AS/NZS 4546:1999.  
Second edition 2004.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 5942 4

## PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee TX-012 Wool, to supersede AS/NZS 4546:1999.

In this edition, requirements for mean bending length and breaking strength of nylon wool pack fabric after exposure to ultraviolet light have been introduced. Also, in response to changing industry requirements, performance requirements have been altered for both nylon and polyethylene (HDPE) fabric.

Australian requirements for selection and testing of samples are included in Appendix C.

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.

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## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE .....	4
1.2 OBJECTIVE.....	4
1.3 REFERENCED DOCUMENTS .....	4
1.4 TYPE DESIGNATION.....	4
1.5 LABELLING.....	5
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 GENERAL REQUIREMENTS .....	6
2.2 TYPE A WOOL PACKS (NYLONS).....	7
2.3 TYPE B WOOL PACKS (HDPE) .....	7
SECTION 3 PERFORMANCE AND TESTING	
3.1 GENERAL REQUIREMENTS .....	8
3.2 TEST REQUIREMENTS .....	8
3.3 SELECTION OF SAMPLES—AUSTRALIAN REQUIREMENTS .....	9
3.4 TEST SPECIMENS.....	9
3.5 CALCULATION AND EXPRESSION OF RESULTS .....	10
APPENDICES	
A SPECIFICATIONS FOR THE ATTACHMENT OF THE IDENTIFICATION LABEL TO TYPE A (NYLON) WOOL PACKS .....	12
B SPECIFICATIONS FOR THE ATTACHMENT OF THE IDENTIFICATION LABEL TO TYPE B WOOL PACKS .....	16
C SELECTION OF SAMPLES FOR EXAMINATION, MEASUREMENT, AND PERFORMANCE TESTING—AUSTRALIAN REQUIREMENTS .....	21

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
**Specification for woven wool packs for greasy wool**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies design, construction, testing and performance requirements for wool packs made from woven yarns or tapes of Types A and B (as designated in Clause 1.4), for use with greasy wool.

**1.2 OBJECTIVE**

The objective of this Standard is to provide the wool industry with minimum requirements for aspects of woven wool packs affecting their use, durability, possible contamination of contents, and their disposal.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS

2001	Methods of test for textiles
2001.2.3.1	Method 2.3.1: Physical tests—Determination of maximum force and elongation of a maximum force using the strip method
2001.2.9	Method 2.9: Physical tests—Determination of stiffness of cloth
2001.2.10	Method 2.10: Physical tests—Determination of the tear resistance of woven textile fabrics by the wing-rip method
2001.2.20	Method 2.20: Physical tests—Determination of seam breaking force
2706	Numerical values—Rounding and interpretation of limiting values

AS/NZS

4547	Methods of testing wool packs for greasy wool
4547.1	Method 1: Fibrillation of woven, HDPE fabric
4547.2	Method 2: Adhesion of wool to anti-slip coating
4547.3	Method 3: Surface frictional properties of fabric
4547.4	Method 4: Handling resistance
4547.5	Method 5: Strength of fabric after exposure to ultraviolet radiation

NZS

1702	Specification for colours for identification, coding and special purposes
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AS

381C	Specification for colours for identification, coding and special purposes
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**1.4 TYPE DESIGNATION**

Wool packs shall be designated in accordance with the following:

- (a) Type A—Wool pack made from woven multifilament nylon yarn (Australia and New Zealand).
- (b) Type B—Wool pack made from woven high density polyethylene (HDPE) tape (New Zealand only).