

# AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile Testing  
A.C.N. 006 014 106 A.B.N. 43 006 014 106  
26 Robertson Street, Kensington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2126 Fax (03) 9371 2102

## TEST REPORT

CLIENT : BAYTEX MANUFACTURING LTD  
52 NEWTON STREET  
MT MAUNGANUI SOUTH  
NEW ZEALAND

TEST NUMBER : 7-495037-BO  
DATE : 28/09/2000  
ORDER NUMBER : 11775

SAMPLE DESCRIPTION CLIENT REF: SILKLINE FR 75  
WOVEN FABRIC COLOUR: WHITE  
APPROX. MASS: 73g/m<sup>2</sup>  
APPROX. THICKNESS: 0.5mm  
END USE: TENT LINER

**THESE RESULTS MUST BE CONSIDERED IN CONJUNCTION  
WITH THE COMMENTS ON THE FOLLOWING PAGE(S)**

MATERIAL SPECIFICATION PROVIDED BY CLIENT:  
NOMINAL COMPOSITION: 100% POLYESTER

AS/NZS  
1530.3 - 1999  
RESULTS:

SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME  
PROPAGATION, HEAT RELEASE AND SMOKE RELEASE.

	MEAN		STANDARD ERROR
IGNITION TIME	NIL	min	NIL
FLAME PROPAGATION TIME	NIL	s	NIL
HEAT RELEASE INTEGRAL	NIL	kJ/m <sup>2</sup>	NIL
SMOKE RELEASE, LOG D	NIL		NIL
OPTICAL DENSITY, D	NIL	/m	

NUMBER OF SPECIMENS IGNITED: 0  
NUMBER OF SPECIMENS TESTED: 6

REGULATORY  
INDICES:

IGNITABILITY INDEX	0	RANGE 0-20
SPREAD OF FLAME INDEX	0	RANGE 0-10
HEAT EVOLVED INDEX	0	RANGE 0-10
SMOKE DEVELOPED INDEX	0-1	RANGE 0-10

### COMMENTS:

THESE RESULTS ONLY APPLY TO THE SPECIMEN MOUNTED, AS DESCRIBED IN THIS REPORT.

THE RESULTS OF THIS FIRE TEST MAY BE USED TO DIRECTLY ASSESS FIRE HAZARD,  
BUT IT SHOULD BE RECOGNIZED THAT A SINGLE TEST METHOD WILL NOT PROVIDE A FULL  
ASSESSMENT OF FIRE HAZARD UNDER ALL FIRE CONDITIONS.

IGNITION IS INITIATED BY A PILOT FLAME THAT IS HELD NEAR,  
BUT DOES NOT TOUCH THE SPECIMEN. A MATERIAL THAT DOES NOT  
IGNITE DURING THE STANDARD TEST MAY IGNITE IF CONTACTED  
WITH A PILOT FLAME DURING THE TEST.

101888

1

(CONTINUED NEXT PAGE)

PAGE 1

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:  
- Chemical Testing of Textiles & Related Products : Accreditation No. 983  
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985  
- Heat & Temperature Measurement : Accreditation No. 1356

The tests reported herein have been performed in accordance with its terms of accreditation. Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Textile Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



*D. J. Ward*  
AUTHORISED SIGNATORY

*D. J. Ward*  
D.J. WARD B.Sc., M.A.I.A.S.  
MANAGING DIRECTOR

# AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile Testing  
A.C.N. 006 014 106 A.B.N. 43 006 014 106  
26 Robertson Street, Kensington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2126 Fax (03) 9371 2102

## TEST REPORT

CLIENT : BAYTEX MANUFACTURING LTD  
52 NEWTON STREET  
MT MAUNGANUI SOUTH  
NEW ZEALAND

TEST NUMBER : 7-495037-BO  
DATE : 28/09/2000  
ORDER NUMBER : 11775

EACH TEST SPECIMEN WAS SANDWICHED BETWEEN TWO LAYERS OF GALVANISED WELDED SQUARE MESH MADE FROM WIRE OF NOMINAL DIAMETER 0.8mm AND NOMINAL SPACING OF 12mm IN BOTH DIRECTIONS, STAPLED THROUGH AT FOUR POINTS, EACH 100mm FROM THE CENTRE OF THE SAMPLE AND THE ASSEMBLY CLAMPED IN FOUR PLACES.

THE SPECIMENS WERE MOUNTED TO SIMULATE USE IN AN UNSUPPORTED OR FREE HANGING MODE. THE RESULTS MAY BE SIGNIFICANTLY DIFFERENT WHEN MOUNTED TO SIMULATE A WALL CLADDING OR UPHOLSTERY APPLICATION.

SMOKE DEVELOPED INDEX IS REPORTED AS 0-1 DUE TO THE INABILITY OF THE SMOKE MEASUREMENT EQUIPMENT TO RESOLVE AN INDEX OF ZERO.

TO ALLOW FREE MOVEMENT OF SAMPLE DURING TESTING ALL CORNERS WERE FOLDED AWAY FROM THE CLAMPS.

THE SPECIMENS MELTED AND FLOWED AWAY FROM THE AREA OF MAXIMUM HEAT DURING THE TEST. DUE TO THIS PHENOMENA, IT SHOULD BE RECOGNISED THAT THIS TEST RESULT MAY NOT BE A TRUE INDICATION OF THE PRODUCT'S FIRE HAZARD PROPERTIES.

101888

PAGE 2

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:  
- Chemical Testing of Textiles & Related Products : Accreditation No. 983  
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985  
- Heat & Temperature Measurement : Accreditation No. 1356

The tests reported herein have been performed in accordance with its terms of accreditation. Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Textile Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



*D. J. Ward*  
AUTHORISED SIGNATORY

*D. J. Ward*  
D.J. WARD B.Sc., M.A.I.A.S.  
MANAGING DIRECTOR

# AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile Testing  
A.C.N. 006 014 106 A.B.N. 43 006 014 106  
26 Robertson Street, Kensington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2126 Fax (03) 9371 2102

## TEST REPORT

CLIENT : BAYTEX MANUFACTURING LTD  
52 NEWTON STREET  
MT MAUNGANUI SOUTH  
NEW ZEALAND

TEST NUMBER : 7-495160-BO  
DATE : 04/10/2000  
ORDER NUMBER : 11775

SAMPLE DESCRIPTION CLIENTS REF: SILKLINE FR 75  
WHITE WOVEN FABRIC  
NOM: POLYESTER PONGEE  
75den x 75den/196T x 72"

AS 1530.2-1993

TEST FOR FLAMMABILITY OF MATERIALS

DATE TESTED:  
04/10/00

FLAMMABILITY INDEX: 1 RANGE 0 - 100 FOR MOST MATERIALS

	LENGTH	WIDTH
SPREAD FACTOR: RANGE 0 - 40	0	0
HEAT FACTOR: RANGE 0 - UPWARD	1	1
MAXIMUM HEIGHT (D) MEAN	0.9	1.6
CV	24.8%	25.9%
TIME (T) MEAN	N/A s	N/A s
CV	N/A %	N/A %
HEAT (A) MEAN	1.4degCmin	1.8degCmin
CV	15.9%	13.6%
NO OF SPECIMENS TESTED	9	9

THESE TEST RESULTS RELATE ONLY TO THE BEHAVIOUR OF THE TEST SPECIMENS OF THE MATERIAL UNDER THE PARTICULAR CONDITIONS OF THE TEST, AND THEY ARE NOT INTENDED TO BE THE SOLE CRITERION FOR ASSESSING THE POTENTIAL FIRE HAZARD OF THE MATERIAL IN USE.

102043

1

© Australian Wool Testing Authority Ltd  
Copyright - All Rights Reserved



This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:  
- Chemical Testing of Textiles & Related Products : Accreditation No. 983  
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985  
- Heat & Temperature Measurement : Accreditation No. 1356

The tests reported herein have been performed in accordance with its terms of accreditation. Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Textile Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



*D.J. Ward*  
AUTHORISED SIGNATORY

*D.J. Ward*  
D.J. WARD B.Sc., M.A.I.A.S.  
MANAGING DIRECTOR