

# AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Textile Testing  
A.B.N. 43 006 014 106  
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

CLIENT : SPECIALTY THEATRE SUPPLIES  
40 TENNYSON STREET  
WILLIAMSTOWN VIC 3016

TEST NUMBER : 7-552305-BV  
DATE : 14/05/2007  
ORDER NUMBER : 00005665

SAMPLE DESCRIPTION Clients ref: "Quality 2413"  
Woven fabric - Wool Serge  
Colour: Black  
Approx thickness: 2mm  
Enduse: Theatre curtains

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

Material Specification provided by client:  
Nominal composition: 90% wool, 10% nylon  
Nominal mass: 550g/m<sup>2</sup>

AS/NZS  
1530.3 - 1999

Simultaneous determination of Ignitability, Flame  
Propagation, Heat Release and Smoke Release

**RESULTS:**

Face tested: Both

Date tested: 08/05/2007

	Mean	min	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	-0.6168		0.0184
Optical density, d	0.2428	/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	5	Range 0-10

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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

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*Jandola*

APPROVED SIGNATORY

*Michael Jackson*  
MICHAEL JACKSON B.Sc (Hons)  
MANAGING DIRECTOR

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TEST NUMBER : 7-552305-BV  
DATE : 14/05/2007  
ORDER NUMBER : 00005665

### 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.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions 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.

To allow free movement of sample during testing all corners were folded away from the clamps.

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TEST NUMBER : 7-552305-BV  
DATE : 14/05/2007  
ORDER NUMBER : 00005665

AS 1530.2-1993

Test for Flammability of Materials

DATE TESTED:

Flammability Index: 3 Range 0 - 100 for most material

11/05/2007

	Length	Width	
Spread Factor: Range 0 - 40	2	2	
Heat Factor: Range 0 - upward	1	1	
Maximum height (d) mean	4.1	4.0	
cv	14.3	0	%
Time (t) mean	N/A	N/A	s
cv	N/A	N/A	%
Heat (a) mean	2.2	1.9	degC min
cv	12.2	10.7	%
No of specimens tested	6	6	

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

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