

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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TEST REPORT

CLIENT : WARWICK FABRICS AUST PTY LTD
6-10 SACKVILLE STREET
COLLINGWOOD VIC 3066

TEST NUMBER : 7-596353-BV
ISSUE DATE : 12/03/2014
PRINT DATE : 12/03/2014

SAMPLE DESCRIPTION Clients Ref: "Bendigo"
Woven fabric
Colour: Beige
Approx thickness: 1mm
End use: Drapery

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

Material Specification provided by client:
Nominal composition: 54% Polyester 46% Acrylic
Nominal mass: 316g/m²

AS/NZS Simultaneous determination of Ignitability, Flame
1530.3 - 1999 Propagation, Heat Release and Smoke Release

RESULTS:

Face tested: Face

Date tested: 12/03/2014

	Mean		Standard Error
Ignition time	8.34	min	1.46
Flame propagation time	34.2	s	10.1
Heat release integral	86.9	kJ/m ²	2.7
Smoke release, log d	-0.2384		0.0148
Optical density, d	0.5782	/m	

For 3 samples which ignited -
Smoke release (log d) Mean: -0.2784
Standard Error: 0.0148

For 6 samples which did not ignite -
Smoke release (log d) Mean: -1.4031
Standard Error: 0.0437

Number of specimens tested: 9

REGULATORY INDICES:	Ignitability Index	12	Range 0-20
	Spread of Flame Index	8	Range 0-10
	Heat Evolved Index	3	Range 0-10
	Smoke Developed Index	7	Range 0-10

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-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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[Signature]

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MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

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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.

The reaction of thin unsupported flexible materials to flame impingement can be assessed in accordance with AS 1530.2. Where materials of thickness less than 2mm that are sufficiently flexible to be bent by hand around a mandrel of 2mm diameter or less are subjected to the test described herein, they should also be subjected to the test in AS 1530.2.

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.

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.

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.

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.

Inconsistent flame spread behaviour was observed.
Only three of the nine specimens registered flame spread.

The Spread of Flame Index quoted above is based on these three specimens.

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(END OF REPORT)

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