

AWTA PRODUCT TESTING

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

CLIENT : SHANN AUSTRALIA
FACTORY 2
23 BELL STREET
PRESTON VIC 3072

TEST NUMBER : 7-576893-BV
ISSUE DATE : 04/02/2011
PRINT DATE : 24/02/2011

SAMPLE DESCRIPTION Clients Ref: "Tentwall"
Woven coated fabric
Colour: White
Approx thickness: 1mm Width: 250cm
End Use: Tents

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

Material Specification provided by client:
Nominal composition: 100% Polyester
Nominal mass: 660g/m2

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

RESULTS:

Face tested: Face

Date tested: 03/02/2011

	Mean		Standard Error
Ignition time	4.24	min	0.40
Flame propagation time	26.8	s	4.3
Heat release integral	116.2	kJ/m2	2.9
Smoke release, log d	0.1743		0.0168
Optical density, d	1.5024	/m	

Number of specimens ignited: 9

Number of specimens tested: 9

REGULATORY INDICES: Ignitability Index 16 Range 0-20
Spread of Flame Index 8 Range 0-10
Heat Evolved Index 4 Range 0-10
Smoke Developed Index 8 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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JRM

Michael A. Jackson

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.

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.

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(END OF REPORT)

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