

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product 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 : ZEPHEL FABRICS  
PO BOX 1018  
IVANHOE VIC 3079

TEST NUMBER : 7-581823-CV  
ISSUE DATE : 09/11/2011  
PRINT DATE : 15/11/2011

SAMPLE DESCRIPTION Clients Ref: "UV Pro"  
Woven fabric  
Colour: White  
Approx thickness  
Approx weight: 257g/m<sup>2</sup>  
End use: Upholstery, Outdoor curtains and accessories

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

Material Specification provided by client:  
Nominal composition: 100% solution dyed acrylic

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

### RESULTS:

Face tested: Face

Date tested: 08/11/2011

	Mean		Standard Error
Ignition time	7.84	min	0.64
Flame propagation time	Nil	s	Nil
Heat release integral	33.5	kJ/m <sup>2</sup>	6.4
Smoke release, log d	-1.3949		0.1589
Optical density, d	0.0474	/m	

For 6 samples which ignited -

Smoke release (log d)	Mean:	-1.3949
	Standard Error:	0.1589

For 3 samples which did not ignite -

Smoke release (log d)	Mean:	-1.3312
	Standard Error:	0.0538

Number of specimens tested: 9

REGULATORY INDICES:	Ignitability Index	12	Range 0-20
	Spread of Flame Index	0	Range 0-10
	Heat Evolved Index	1	Range 0-10
	Smoke Developed Index	3	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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*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.

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 had an unattached backing of 4.5mm thick fibre reinforced cement board.

Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and securely fixed to a backing board at four points each 100mm from the centre of the sample and the assembly clamped in four places.

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

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( END OF REPORT )

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*JRM*

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