

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 : FIRE DEFENDER PTY LTD
PO BOX 218
CLONTARF QLD 4019

TEST NUMBER : 7-571654-CQ
ISSUE DATE : 24/03/2010
PRINT DATE : 20/04/2010

SAMPLE DESCRIPTION Woven Fabric
Colour: Black
End Use: Curtain

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

Material Specification provided by client:

Nominal Composition: 80% Wool, 15% other fibre treated with 15m2/litre
multipurpose FR as supplied by Fire Defender
Nominal Mass: 380gsm
Nominal Thickness: 2mm

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

RESULTS:

Face tested: Face

Date tested: 23.03.2010

	Mean	Standard Error
Ignition time	Nil min	Nil
Flame propagation time	Nil s	Nil
Heat release integral	Nil kJ/m2	Nil
Smoke release, log d	-0.7541	0.0249
Optical density, d	0.1777 /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

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.

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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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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.

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.

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

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.

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(END OF REPORT)

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