

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 : SPECIALTY THEATRE SUPPLIES
40 TENNYSON STREET
WILLIAMSTOWN VIC 3016

TEST NUMBER : 7-576790-BV
ISSUE DATE : 28/01/2011
PRINT DATE : 10/02/2011
ORDER NUMBER : 486

SAMPLE DESCRIPTION Clients Ref:"Speciality Theatre Supplies"
Woven fabric
Colour: Black
Approx thickness: 1.5mm
End Use: Theatre Curtains

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

AS 1530.2-1993 Test for Flammability of Materials

DATE TESTED: 27/01/2011 Flammability Index: 2 Range 0 - 100 for most material

		Length	Width	
Spread Factor: Range 0 - 40		1	1	
Heat Factor: Range 0 - upward		1	1	
Maximum height (d) mean		3.5	3.7	
	cv	15.6	14.1	%
Time (t) mean		N/A	N/A	s
	cv	N/A	N/A	%
Heat (a) mean		1.6	1.6	degC min
	cv	12.9	15.5	%
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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-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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MANAGING DIRECTOR

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Material Specification provided by client:
Nominal composition: 90% wool, 10% Polyester
Nominal mass: 400g/m2

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

RESULTS:

Face tested: Face

Date tested: 20/01/2011

	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	-1.1543		0.0148
Optical density, d	0.0703	/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	4	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.

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 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.

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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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