

AWTA TEXTILE TESTING

280 GSM

(F)

Australian Wool Testing Authority Ltd – trading as AWTA Textile 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 : 7-547144-BV
DATE : 11/08/2006

SAMPLE DESCRIPTION Clients ref: Woven fabric
Colour: black
Approx thickness: 2mm

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

Material Specification provided by client:
Nominal composition: wool
Nominal mass: 280g/m²

AS/NZS
1530.3 - 1999

Simultaneous determination of Ignitability, Flame
Propagation, Heat Release and Smoke Release

RESULTS:

Face tested: Both

	Mean	min	Standard Error
Ignition time	Nil	min	Nil
Flame propagation time	Nil	s	Nil
Heat release integral	Nil	kJ/m ²	Nil
Smoke release, log d	-1.0785		0.0288
Optical density, d	0.0844	/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.

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- Chemical Testing of Textiles & Related Products : Accreditation No. 993
- Mechanical Testing of Textiles & Related Products : Accreditation No. 995
- Heat & Temperature Measurement : Accreditation No. 1396

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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 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.

AS 1530.2-1993

Test for Flammability of Materials

DATE TESTED:
10/08/2006

Flammability Index: 3 Range 0 - 100 for most material
Length Width

Spread Factor: Range 0 - 40	2	1	
Heat Factor: Range 0 - upward	1	1	
Maximum height (d) mean	4.0	3.3	
cv	0	7.8	%
Time (t) mean	N/A	N/A	s
cv	N/A	N/A	%
Heat (a) mean	1.8	1.6	degC min
cv	14.1	12.9	%
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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