

# AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Textile Testing  
A.B.N. 43 006 014 106

26 Robertson Street, Kensington, Victoria 3031  
P.O. Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2126 Fax (03) 9371 2102

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BY: .....

## TEST REPORT

CLIENT : MATERIALISED PTY LTD  
19 HEATH ROAD  
BLAKEHURST NSW 2221

TEST NUMBER : 7-528731-BN  
DATE : 29/06/2004

SAMPLE DESCRIPTION Clients Ref: In The Dark  
Double faced satin fabric  
Nom: Inherently FR polyester

AS 1530.2-1993

Test for Flammability of Materials

DATE TESTED:  
29/06/2004

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	3.6	3.3	
CV	18.6	12.2	%
Time (t) mean	-	-	s
CV	-	-	%
Heat (a) mean	1.6	1.6	degC min
CV	15.5	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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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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*[Signature]*

APPROVED SIGNATORY

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

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## TEST REPORT

CLIENT : MATERIALISED PTY LTD  
19 HEATH ROAD  
BLAKEHURST NSW 2221

TEST NUMBER : 7-529522-BN  
DATE : 28/07/2004  
ORDER NUMBER : NT682

SAMPLE DESCRIPTION Clients Ref: In the dark  
Double faced satin fabric  
Colour: White  
Approximate Thickness: 1mm  
End Use: curtains

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

Material Specification provided by client:  
Nominal Composition: Inherently FR polyester  
Nominal Mass: 423g/m2

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

RESULTS: Face tested: Both

	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	Nil		Nil
Optical density, d	Nil	/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	0-1	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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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 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.

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.

The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena, it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

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

Smoke Developed Index is reported as 0-1 due to the inability of the smoke measurement equipment to resolve an index of zero.

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