

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 : JAMES DUNLOP TEXTILES
SUITE 14, LEVEL 1
69 O'RIORDAN STREET
ALEXANDRIA NSW 2015

TEST NUMBER : 7-596274-BN
ISSUE DATE : 05/03/2014
PRINT DATE : 05/03/2014
ORDER NUMBER : PO-VICTOR

SAMPLE DESCRIPTION Clients Ref: "Victor"
Woven Dobby Fabric
Colour: Beige
Approximate Thickness: 1mm
End Use: Bed Cover

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

Material Specification provided by client:
Nominal Composition: 100% Polyester
Nominal Weight: 460 g/m²

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

RESULTS:

Face tested: Face

Date tested: 05/03/2014

	Mean	Standard Error
Ignition time	10.23 min	0.19
Flame propagation time	Nil s	Nil
Heat release integral	39.1 kJ/m ²	1.4
Smoke release, log d	-0.7366	0.0307
Optical density, d	0.1856 /m	

For 6 samples which ignited -

Smoke release (log d) Mean: -0.7366
Standard Error: 0.0307

For 3 samples which did not ignite -

Smoke release (log d) Mean: -1.1631
Standard Error: 0.2380

Number of specimens tested: 9

REGULATORY INDICES:		
Ignitability Index	10	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	1	Range 0-10
Smoke Developed Index	5	Range 0-10

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Accredited for compliance with ISO/IEC 17025
- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

Accreditation No. 983
Accreditation No. 985
Accreditation No. 1356

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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.

The specimens melted away from the area of maximum heat and produced flaming droplets 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.

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.

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.

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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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