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 : UNIQUE FABRICS
6 MT EDEN ROAD, PO BOX 8394
SYMONDS STREET
AUCKLAND
NEW ZEALAND

TEST NUMBER : 7-593116-BO
ISSUE DATE : 26/08/2013
PRINT DATE : 02/06/2091

SAMPLE DESCRIPTION Clients Ref: "Balfour"
Woven Dobby fabric
Colour: Ink (Dark Blue)
Approx Thickness: 3mm
End Use: Upholstery

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

Material Specification provided by client:
Nominal Composition: 91% Wool, 9% Nylon
Nominal Mass: 750g/m2

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

RESULTS: Face tested: Face

Date tested: 23/08/2013

	Mean		Standard Error
Ignition time	13.14	min	1.23
Flame propagation time	Nil	s	Nil
Heat release integral	18.0	kJ/m2	1.8
Smoke release, log d	-0.7762		0.1173
Optical density, d	0.1787	/m	

Number of specimens ignited: 3
For 3 samples which ignited -
Smoke release (log d) Mean: -0.7762
Standard Error: 0.1173

For 6 samples which did not ignite -
Smoke release (log d) Mean: -0.8074
Standard Error: 0.0401
Number of specimens tested: 9

REGULATORY INDICES:

Ignitability Index	7	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

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

APPROVED SIGNATORY

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

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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.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

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.

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

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