

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
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 17-005457
Issue Date : 16/10/2017
Print Date : 16/10/2017

Sample Description Clients Ref : "Copenhagen"
Woven fabric
Colour : Nude
End Use : Upholstery
Nominal Composition : Face: 50% Cotton, 50% Polyester Back: 100% Polyester
Nominal Mass per Unit Area/Density : Approx: 532g/m²
Nominal Thickness : Approx: 2mm

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested:	Face		
Date tested:	14/10/2017		
	Standard Error	Mean	
Ignition time	0.17	8.42	min
Flame propagation time	Nil	Nil	sec
Heat release integral	2.6	62.0	kJ/m ²
Smoke release, log d	0.0219	-0.8464	
Optical density, d		0.1433	/ metre

Number of specimens ignited: 6
Number of specimens tested: 6

Regulatory Indices:

Ignitability Index	12	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	2	Range 0-10
Smoke Developed Index	5	Range 0-10

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Page 1 of 2

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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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0204/11/06

APPROVED SIGNATORY

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

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Test Number : 17-005457
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Print Date : 16/10/2017

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.

These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

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Page 2 of 2

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MANAGING DIRECTOR

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TEST REPORT

Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 17-004729
Issue Date : 21/09/2017
Print Date : 21/09/2017

Sample Description Clients Ref : "Copenhagen"
Woven fabric
Colour : Nude
End Use : Upholstery
Nominal Composition : 100% Polyester face, 50% Cotton, 50% Polyester

**AS/NZS 1530.3-1999
(Modified)**

**Method for Fire Tests on Building Materials, Components and Structures. Part 3
Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and
Smoke Release - Guidance Test**

	1	2
Ignitability Index (Range 0-20)	11	11
Spread of Flame Index (Range 0-10)	0	0
Heat Evolved Index (Range 0-10)	2	2
Smoke Developed Index (Range 0-10)	5	5

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21995

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A reduced number of specimens were tested to provide guidance only as to the likely performance of the product tested.

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