## 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:

Maxwell Rodgers Fabrics

PO Box 47 - 361

Auckland New Zealand Test Number :

16-004482

**Issue Date** 

29/08/2016

**Print Date** 

8/09/2016

Sample Description

Clients Ref:

"Aspiring Peaks"

Woven fabric

Magenta/Black Colour:

Upholstery End Use:

Nominal Composition:

48% Wool, 44% Polyester, 8% Nylon

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:

29/08/2016

Mean

Ignition time

Standard Error

0.58

11.07 min

Flame propagation time

Nil

Nil sec 32.0 kJ/m²

Heat release integral

4.2

-0.9666

Smoke release, log d Optical density, d

0.0286

0.1099 / metre

Number of specimens ignited:

9

Number of specimens tested:

9

Regulatory Indices:

Ignitability Index

Spread of Flame Index

Heat Evolved Index

Smoke Developed Index

Range 0-10

Range 0-20

Range 0-10

Range 0-10

70042

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Accredited for compliance with ISO/IEC 17025 - Chemical Testing

Mechanical Testing

- Performance & Approvals Testing

Accreditation No. : Accreditation No. : Accreditation No.

983 985

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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.

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.

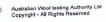
Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and securely fixed to a backing board at four points each 100mm from the centre of the sample and the assembly clamped in four places.

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

70042

14437

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LA. JACKSON B.Sc.(Hons)