

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 AND
FURNISHINGS
PO BOX 47 - 361
AUCKLAND
NEW ZEALAND

TEST NUMBER : 7-561723-BO
DATE : 25/08/2008

SAMPLE DESCRIPTION Clients Ref: "Eco-Plateau Gradient"
Woven fabric
Colour: Crater (Grey)
Approximate thickness: 1mm
Approximate mass: 340g/m²
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: ECO Wool

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

RESULTS:

Face tested: Face

Date tested: 25/08/2008

| | Mean | | Standard Error |
|------------------------|---------|-------------------|----------------|
| Ignition time | Nil | min | Nil |
| Flame propagation time | Nil | s | Nil |
| Heat release integral | Nil | kJ/m ² | Nil |
| Smoke release, log d | -1.0829 | | 0.1123 |
| Optical density, d | 0.0935 | /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 | 4 | 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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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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Jandola
APPROVED SIGNATORY

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



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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.

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.

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.

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Jandolac
APPROVED SIGNATORY

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

**LABORATORY****No.10/874**

(Please quote this number in all correspondence)

CLIENT:
Maxwell Rodgers Fabrics
P O Box 47-361
AUCKLAND

SAMPLE RECEIVED FROM:
Maxwell Rodgers Fabrics

Date: 13.10.10

Attn: Christine

SAMPLE DESCRIPTION:
Gradient Streamline Plateau.

Client Order No.:

Client Reference:

1

IMO RESOLUTION A.652 (16) :1989 RECOMMENDATION ON FIRE TEST PROCEDURES FOR UPHOLSTERED FURNITURE

Methods of test for the ignitability by smokers' materials of upholstered composites of seating e.g. covers and filling used in upholstered seating.

In the absence of foam being supplied by the client, this test was carried out using standard flammable polyurethane foam having a density of 23-24.5 kg/m³ (CT 23 -125 sourced locally) .The fabric was tested over the foam i.e. ignition source was applied directly to the fabric.

Standard test rig used – arranged to represent, in stylised form, a junction between a seat and back (or seat and arm) such as might occur in a typical chair.

Conditioned at: 65 ± 2% RH. 20 ± 2°C


Date of issue :- 20.10.10

Part 1 Ignition Source: Smouldering Cigarette**RESULT :-****Pass****Part 2 Ignition Source: Match flame equivalent****RESULT :-****Pass**

Please note: -These tests only measure the ignitability of a combination of materials used in upholstered seating and not of a particular finished item of furniture incorporating these materials. They give an indication of, but cannot guarantee, the ignition behaviour of the finished item of furniture.

This document pertaining to the product stated is valid for no more than five years from the date of issue stated above.

The AgResearch Ltd Textile and Material Testing Department is listed as a "Recognised Test Laboratory" for this test in IMO circular FP.1/Circ. 39, issued Jan 8, 2010.


L A Greer, Testing Manager
Signatory

20/10/2010



All tests reported
herein have been
performed in accordance
with the laboratory's
scope of accreditation

TERMS AND CONDITIONS

The client, upon receipt of this Report is deemed to accept the Terms and Conditions printed on the reverse of this report.