



**No.13/60**

(Please quote this number in all correspondence)

CLIENT:  
Maxwell Rodgers Fabrics  
PO Box 47 361  
Auckland 1144

Attn: Christine Williams

SAMPLE RECEIVED FROM:  
Maxwell Rodgers Fabrics

SAMPLE DESCRIPTION:  
One woven fabric  
Design : Shake  
Colour : Apple Martini  
Composition: 82% wool, 18% nylon

Date:31.1.13

Client Order No.:

Client Reference:

1/1

**IMO RESOLUTION MSC.307(88) (adopted Dec 2010 ) ADOPTION OF THE INTERNATIONAL CODE FOR APPLICATION OF FIRE TEST PROCDEURES ( 2010 FTP CODE )**  
**MSC 88/26/Add 2 Annex 1, Part 8 TEST FOR UPHOLSTERED FURNITURE**  
**Formerly A.652 (16) October 1989**

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/m<sup>3</sup> (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: 50 ± 5% RH. 23 ± 2°C  
Date of issue :- 28.2.13

**Part 1 Ignition Source: Smouldering Cigarette ( conforming to the requirements of the test )**  
**(Tested on flammable foam as above )**

**RESULT :- Pass**

**Part 2 Ignition Source: Match flame equivalent**

Burning time :27,25 seconds  
Char length: 90,100 mm

**RESULT : Pass**



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

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 NZWTA Testing Department is a "Recognised Test Laboratory" for this test by Maritime NZ, under Cert # FFA/IMOTL/2011/1, dated April 6, 2011.**  
**It is included in the IMO List of Recognised Test Laboratories FP.1 /Circ.45 , 24 January 2013**

L A Greer, Testing Manager  
Signatory

28/02/2013

**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**

Except where the sample is drawn independently by NZWTA Ltd. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested sample. The above test results are not certified due to the adoption of modified and/or non-standard procedures designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. Except where precluded by law, no responsibility can be accepted by NZWTA Ltd for any claim which may arise from any person acting on information contained herein.

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# 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 : 7-554181-BO  
DATE : 08/08/2007

SAMPLE DESCRIPTION Clients Ref: "Shake"  
Woven patterned fabric  
Colour: Burnt orange/green - "Manhattan"  
Approx. Mass: 485g/m<sup>2</sup>  
Approx. Thickness: 1.5mm  
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: 82% wool, 18% nylon

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

RESULTS: Face tested: Face  
Date tested: 08/08/2007

	Mean	min	Standard Error
Ignition time	Nil	s	Nil
Flame propagation time	Nil	s	Nil
Heat release integral	Nil	kJ/m <sup>2</sup>	Nil
Smoke release, log d	-0.6954		0.0831
Optical density, d	0.2225	/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 5 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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*andolac*  
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.

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.

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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*Jandola*

APPROVED SIGNATORY

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