

# 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 :** Warwick Fabrics Aust Pty Ltd  
6-10 Sackville Street  
Collingwood VIC 3066

**Test Number :** 17-007354  
**Issue Date :** 30/01/2018  
**Print Date :** 30/01/2018  
**Order Number :** Meg Sinclair

**Sample Description** Clients Ref : "Palermo"  
Woven fabric  
Colour : Brown  
End Use : Drapery  
Nominal Composition : 100% Polyester  
Nominal Mass per Unit Area/Density : 219g/m2  
Nominal Thickness : 4mm

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:	22/01/2018	
	Standard Error	Mean
Ignition time	3.19	9.04 min
Flame propagation time	Nil	Nil sec
Heat release integral	3.1	33.4 kJ/m <sup>2</sup>
Smoke release, log d	0.0355	-0.6116
Optical density, d		0.2469 / metre
No of samples which ignited		4
For Samples which ignited		
Smoke Release (Log D) - Mean		-0.6116
Smoke Release (Log D) - Standard Error		0.0355
No of samples which did not ignite		5
For Samples which did not ignite		
Smoke Release (Log D) - Mean		-1.8304
Smoke Release (Log D) - Standard Error		0.0901

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: Accreditation No. 985  
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APPROVED SIGNATORY

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

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Number of specimens tested: 9

### Regulatory Indices:

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

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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.

The specimens melted away from the area of maximum heat and produced flaming droplets during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

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

The specimens were mounted to simulate use in an unsupported or free hanging mode. The results may be significantly different when mounted to simulate a wall cladding or upholstery application.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

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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