

# 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  
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Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

**Client :** Vertilux Corporation Pty Ltd  
PO Box 611  
Tullamarine VIC 3043

**Test Number :** 15-002937  
**Issue Date :** 10/07/2015  
**Print Date :** 31/07/2015  
**Order Number :** 108662

**Sample Description** Clients Ref : "Status 5% Transparent Lead (black)"  
Woven coated fabric  
Colour : Lead-black  
End Use : Blinds  
Nominal Composition : 30% Polyester, 70% PVC  
Nominal Mass per Unit Area/Density : 430g/m<sup>2</sup>  
Nominal Thickness : 0.59mm

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: 10/07/2015

	Standard Error	Mean
Ignition time	0.62	3.59 min
Flame propagation time	Nil	Nil sec
Heat release integral	4.2	40.6 kJ/m <sup>2</sup>
Smoke release, log d	0.0662	-0.4934
Optical density, d		0.3397 / metre
No of samples which ignited		6
For Samples which ignited		
Smoke Release (Log D) - Mean		-0.4934
Smoke Release (Log D) - Standard Error		0.0662
No of samples which did not ignite		3
For Samples which did not ignite		
Smoke Release (Log D) - Mean		-0.4552
Smoke Release (Log D) - Standard Error		0.0282

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- Mechanical Testing  
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: Accreditation No. 983  
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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	16 Range 0-20
Spread of Flame Index	0 Range 0-10
Heat Evolved Index	1 Range 0-10
Smoke Developed Index	6 Range 0-10

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.

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.

Specimens tended to flash before ignition. Ignition was based on the occurrence of a single flash of flame which lasted longer than 10 seconds.

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.

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

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.

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