

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

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P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Nolan UDA Pty Ltd
3 Bradford Street
Alexandria NSW 2015

Test Number : 15-001870
Issue Date : 13/05/2015
Print Date : 13/05/2015
Order Number : 150420

Sample Description Clients Ref : "Ultra Soft Mattress Cover"
Textile with knitted scrim
Colour : Beige
End Use : Mattress Ticking
Nominal Composition : PVC coated Polyester
Nominal Mass per Unit Area/Density : Approx: 400g/m²
Nominal Thickness : Approx. 1mm

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: 06/05/2015

	Standard Error	Mean
Ignition time	0.59	7.77 min
Flame propagation time	Nil	Nil sec
Heat release integral	1.8	23.3 kJ/m ²
Smoke release, log d	0.0172	-0.7496
Optical density, d		0.1789 / metre
No of samples which ignited		7
For Samples which ignited		
Smoke Release (Log D) - Mean		-0.7493
Smoke Release (Log D) - Standard Error		0.0172
No of samples which did not ignite		2
For Samples which did not ignite		
Smoke Release (Log D) - Mean		-0.7035
Smoke Release (Log D) - Standard Error		0.0000

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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	12 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

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.

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

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.

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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MANAGING DIRECTOR