

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Product Testing
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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: James Dunlop Textiles
Suite 14, Level 1
69 O'Riordan Street
Alexandria NSW 2015

Test Number : 14-001012
Issue Date : 30/10/2014
Print Date : 30/10/2014
Order Number : PO-NEPTUN

Sample Description Clients Ref: "NEPTUN"
Back laminated woven dobby fabric
Colour: Cosmic 114
End Use: Upholstery
Nominal Composition: 100% Polyester
Nominal Mass per Unit Area/Density: 288g/m²
Nominal Thickness: Approximate Thickness: 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: 29/10/2014

	Standard Error	Mean
Ignition time	0.10	9.19 min
Flame propagation time	Nil	Nil sec
Heat release integral	2.0	75.1 kJ/m ²
Smoke release, log-d	0.0337	-0.7607
Optical density, d		0.1760 / metre

Number of specimens ignited:	6
Number of specimens tested:	6
Regulatory Indices:	
Ignitability Index	11 Range 0-20
Spread of Flame Index	0 Range 0-10
Heat Evolved Index	3 Range 0-10
Smoke Developed Index	5 Range 0-10

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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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APPROVED SIGNATORY

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.

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 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.

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.

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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