AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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TEST REPORT

Client : Textile Mania Pty Ltd
560 Swan Street
Richmond VIC 3121

Test Number : 15-005838
Issue Date : 07/12/2015
Print Date : 7/12/2015
Order Number : 21843

Sample Description

Clients Ref : "Fabric No. 11204" SATELLITE
Woven Upholstery fabric
Colour : Multi
End Use : Upholstery
Nominal Composition : 75% Wool,16% Nylon, 9% Polyester
Nominal Mass per Unit Area/Density : 565g/m2
Nominal Thickness : +/-1.5mm

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:	07/12/2015		
	Standard Error	Mean	
Ignition time	1.17	11.05	min
Flame propagation time	Nil	Nil	sec
Heat release integral	3.9	19.6	kJ/m²
Smoke release, log d	0.0632	-1.2219	
Optical density, d		0.0655	/ metre
No of samples which ignited		8	
For Samples which ignited			
Smoke Release (Log D) - Mean		-1.2219	
Smoke Release (Log D) - Standard Error		0.0632	
No of samples which did not ignite		1	
For Samples which did not ignite			
Smoke Release (Log D) - Mean		-1.1420	
Smoke Release (Log D) - Standard Error		0.0000	
Number of specimens tested:		9	

43465 8765

Accredited for compliance with ISO/IEC 17025
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985
- Performance & Approvals Testing : Accreditation No. 1356

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Regulatory Indices:

Ignitability Index	9	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Developed Index	4	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 occurance 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.

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.

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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