AWTA PRODUCT TESTING

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

Client : Westbury Textiles
19 Abrams Street
Balcatta WA 6021

Test Number : 19-006569
Issue Date : 29/11/2019
Print Date : 29/11/2019
Order Number : 011119

Sample Description

Clients Ref : "Outdoor Chevron"
Woven Upholstery Fabric
Colour : Beech
End Use : Upholstery
Nominal Composition : 100% Solution Dyed Polypropylene
Nominal Mass per Unit Area/Density : Approx: 518g/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: 28/11/2019

	Standard Error	Mean	
Ignition time	0.05	7.07	min
Flame propagation time	Nil	Nil	sec
Heat release integral	4.3	56.6	kJ/m²
Smoke release, log d	0.1981	-1.5539	
Optical density, d		0.0480	/ metre

Number of specimens ignited:	6
Number of specimens tested:	6

Regulatory Indices:

Ignitability Index	13	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	2	Range 0-10
Smoke Developed Index	3	Range 0-10

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

APPROVED SIGNATORY

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

0204/11/06

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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 occurance 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.

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.

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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APPROVED SIGNATORY

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

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