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

TEST REPORT

Client : Warwick Fabrics Aust Pty Ltd
6-10 Sackville Street
Collingwood VIC 3066

Test Number : 20-001970
Issue Date : 30/04/2020
Print Date : 30/04/2020

Sample Description

Clients Ref : "Bounty" - Luciana Wallis
Woven backcoated fabric
Colour : Birch
End Use : Drapery
Nominal Composition : 70% Polyester, 30% Viscose
Nominal Mass per Unit Area/Density : Approx 293g/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: 29/04/2020

	Standard Error	Mean	
Ignition time	0.22	5.95	min
Flame propagation time	2.3	19.9	sec
Heat release integral	1.5	62.5	kJ/m²
Smoke release, log d	0.0070	-0.7734	
Optical density, d		0.1686	/ metre
No of samples which ignited		5	
For Samples which ignited			
Smoke Release (Log D) - Mean		-0.7734	
Smoke Release (Log D) - Standard Error		0.0070	
No of samples which did not ignite		4	
For Samples which did not ignite			
Smoke Release (Log D) - Mean		-1.1067	
Smoke Release (Log D) - Standard Error		0.0365	

202082 43729

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

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APPROVED SIGNATORY

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

0204/11/06

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Test Number : 20-001970
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Number of specimens tested: 9

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Regulatory Indices:		
Ignitability Index	14	Range 0-20
Spread of Flame Index	9	Range 0-10
Heat Evolved Index	2	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.

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.

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.

Inconsistent flame spread behaviour was observed. Only 5 of the 9 specimens registered flame spread. The Spread of Flame Index quoted above is based on these 5 specimens.

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