

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
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Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Materialised Pty Ltd
19 Heath Road
Blakehurst NSW 2221

Test Number : 15-001417
Issue Date : 26/03/2015
Print Date : 26/03/2015
Order Number : 29856

Sample Description Clients Ref : "Felt"
Printed woven fabric
Colour : Printed
End Use : Upholstery
Nominal Composition : 100% Polyester
Nominal Mass per Unit Area/Density : Approx. 357g/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: 26/03/2015

| | Standard Error | Mean |
|------------------------|----------------|------------------------|
| Ignition time | 0.34 | 10.06 min |
| Flame propagation time | Nil | Nil sec |
| Heat release integral | 2.6 | 53.5 kJ/m ² |
| Smoke release, log d | 0.0413 | -0.9749 |
| Optical density, d | | 0.1081 / metre |

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

Regulatory Indices:

| | | |
|-----------------------|----|------------|
| Ignitability Index | 10 | Range 0-20 |
| Spread of Flame Index | 0 | Range 0-10 |
| Heat Evolved Index | 2 | Range 0-10 |
| Smoke Developed Index | 4 | Range 0-10 |

19483

4019

Page 1 of 2



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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.

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.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

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 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.

19483

4019

Page 2 of 2

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- Chemical Testing
- Mechanical Testing
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: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

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