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

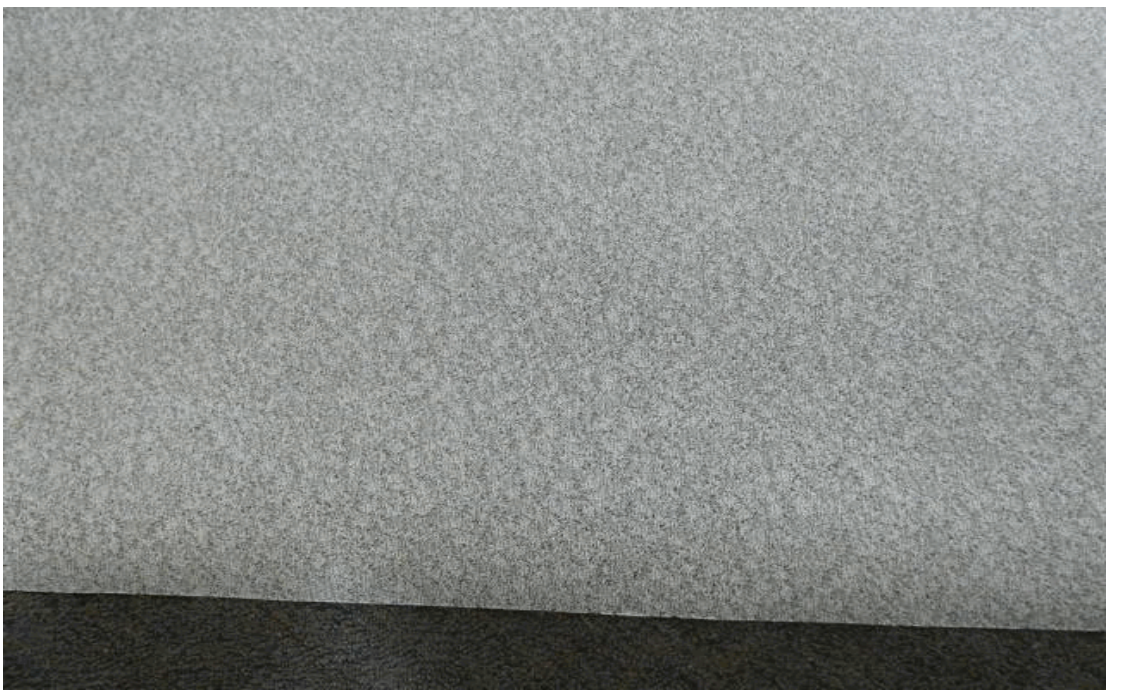
TEST REPORT

Client : Vertex Fabrics
30A Export Road
Craigieburn VIC 3064

Test Number : 22-001990
Issue Date : 22/06/2022
Print Date : 3/10/2022

Sample Description

Clients Ref : "Venus"
Woven backcoated blind fabric
Colour : Granite
End Use : Drapery
Nominal Composition : 100% Polyester
Nominal Mass per Unit Area/Density : 370g/m2 +/-5%
Nominal Thickness : 0.55mm (+/-5%)



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Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

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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: 22-06-2022

	Standard Error	Mean	
Ignition time	0.35	6.86	min
Flame propagation time	0.9	9.2	sec
Heat release integral	3.8	139.8	kJ/m²
Smoke release, log d	0.0127	-0.2989	
Optical density, d		0.5041	/ metre

No of samples which ignited	8
For Samples which ignited	
Smoke Release (Log D) - Mean	-0.2989
Smoke Release (Log D) - Standard Error	0.0127
No of samples which did not ignite	1
For Samples which did not ignite	
Smoke Release (Log D) - Mean	-0.7331
Smoke Release (Log D) - Standard Error	0.0000
Number of specimens tested:	9

Regulatory Indices:		
Ignitability Index	13	Range 0-20
Spread of Flame Index	9	Range 0-10
Heat Evolved Index	5	Range 0-10
Smoke Developed Index	6	Range 0-10

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Inconsistent flame spread behaviour was observed. Only 8 of the 9 specimens registered flame spread. The Spread of Flame Index quoted above is based on these 8 specimens.

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.

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 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.

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