AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : FEBRIK
Minosstraat 20 5048 CK Tilburg
The Netherlands
The Netherlands

Test Number : 15-002738
Issue Date : 17/06/2015
Print Date : 17/06/2015

Sample Description

Clients Ref : "Uniform/Uniform Melange"
Knitted fabric on foam with knitted scrim backing
Colour : Natural
End Use : Upholstery
Nominal Composition : 68% Wool, 22% Polyamide, 10% Polyester
Nominal Mass per Unit Area/Density : 490g/m2
Nominal Thickness : 3mm

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: 11/06/2015

	Standard Error	Mean	
Ignition time	1.92	11.39	min
Flame propagation time	Nil	Nil	sec
Heat release integral	4.0	19.4	kJ/m²
Smoke release, log d	0.0625	-1.0517	
Optical density, d		0.0934	/ metre
No of samples which ignited		6	
For Samples which ignited			
Smoke Release (Log D) - Mean		-1.0517	
Smoke Release (Log D) - Standard Error		0.0625	
No of samples which did not ignite		3	
For Samples which did not ignite			
Smoke Release (Log D) - Mean		-1.0897	
Smoke Release (Log D) - Standard Error		0.0690	

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

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

APPROVED SIGNATORY

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

0204/11/06

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Number of specimens tested:	9	
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

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.

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.

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.

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