

AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile Testing
A.B.N. 43 006 014 106
26 Robertson Street, Kensington, Victoria 3031
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Phone (03) 9371 2126 Fax (03) 9371 2102

TEST REPORT

CLIENT : KVADRAT A/S
LUNDBERGSVEJ 10
8400 EBELTOFT DENMARK

TEST NUMBER : 7-519067-BO
DATE : 20/05/2003

SAMPLE DESCRIPTION Clients Ref: "Letters"
Jacquard woven upholstery fabric
Colour: Green/Black
Approx. Thickness: 2mm
Approx. Mass: 600g/m²

**THESE RESULTS MUST BE CONSIDERED IN CONJUNCTION
WITH THE COMMENTS ON THE FOLLOWING PAGE(S)**

Material specification provided by client:
Nominal composition: 50% Cotton/42% New Wool/8% Nylon

AS/NZS
1530.3 - 1999
RESULTS:

Simultaneous Determination of Ignitability, Flame
Propagation, Heat Release and Smoke Release.

	Mean	min	Standard Error
Ignition time	8.42	min	0.24
Flame propagation time	Nil	s	Nil
Heat release integral	13.6	kJ/m ²	2.6
Smoke release, log d	-0.9719		0.0595
Optical density, d	0.1118	/m	

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

REGULATORY
INDICES:

Ignitability Index	12	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

Comments:

These results only apply to the specimen mounted, as described in this report.

The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.

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- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

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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.

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 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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