

APL Applied Physics Laboratory

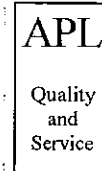
ACCREDITED LABORATORY NUMBER 206

International Accreditation New Zealand

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All tests reported herein have been performed in accordance with the Laboratory's scope of accreditation

TEST REPORT

Reference Number 05002

Page 1 of 2.

EARLY FIRE HAZARD PROPERTIES OF MOKUM TAHITI FABRIC

MATERIAL

MOKUM TAHITI FABRIC being a woven fabric with a fibre composition specified as 100% polyester with an acrylic backing, and a total nominal weight of 575 grams per square metre, is supplied by Mokum Textiles Pty Ltd, 98 Barcom Avenue, Rushcutters Bay, NSW 2011, Locked Bag 1100, Edgecliff, NSW 2027, AUSTRALIA.

The material was supplied by the client Mokum Textiles Pty Ltd as one piece, sufficient to cut the specimens for testing.

The colour tested was 324 *KELP*, a dark green shade.

TEST METHOD

Australian Standard 1530, Methods for fire tests on building materials, components and structures. AS 1530 Part 3, 1999, "Simultaneous determination of ignitability, flame propagation, heat release and smoke release."

The material was assigned the Laboratory Number 8052 and the tests were conducted on 8 January 2005.

The specimens were restrained between two layers of wire mesh having apertures 12 mm by 12 mm and wire 0.8 mm diameter and fixed to the support frames using a perimeter clamping ring.

RESULTS

The following results were obtained on six specimens tested.

Mean ignition time (seconds): 0

Mean flame propagation time (seconds): 0

Mean heat release integral (kJ/m²): 0

Mean smoke release (Density/m): 0.20207

Mean smoke release (Log₁₀D): -0.69449

Standard error (log₁₀D): 0.02366

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EARLY FIRE HAZARD PROPERTIES OF
MOKUM TAHITI FABRIC

From the results the following indices were determined:

IGNITABILITY INDEX (Range 0 - 20)	0
SPREAD OF FLAME INDEX (Range 0 - 10)	0
HEAT EVOLVED INDEX (Range 0 -10)	0
SMOKE DEVELOPED INDEX (Range 0 - 10)	5

Supplementary observations

Under the test exposure conditions the material melted to a dark coloured viscous liquid which was largely retained by the wire restraint, and converting to a char with release of smoke.

Statement from the Standard.

The results 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.

Statement from the Laboratory.

This statement appears on all of the Laboratory's test reports.

The Laboratory's experience is that the results of this fire test can be significantly modified by the detail of the specimens presented for testing.

The nature of substrate materials for example (where present) can significantly modify the test results.

The results reported apply to the material as described herein, and users of this test report are recommended to take particular note of the material description on page 1.

E. R. Weaver.



10 January 2005



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