

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
8400 EBELTOFT
DANMARK

TEST NUMBER : 7-501686-BO
DATE : 25/06/2001

SAMPLE DESCRIPTION CLIENTS REF: HALLINGDAL
WOVEN FABRIC
COLOUR: BLUE
APPROX THICKNESS: 2mm
APPROX MASS: 630g/m²

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

MATERIAL SPECIFICATION PROVIDED BY CLIENT:
NOMINAL COMPOSITION: 70% WOOL 30% VISCOSE

AS/NZS
1530.3 - 1999
RESULTS:

SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME
PROPAGATION, HEAT RELEASE AND SMOKE RELEASE.

	MEAN		STANDARD ERROR
IGNITION TIME	8.37	min	1.46
FLAME PROPAGATION TIME	NIL	s	NIL
HEAT RELEASE INTEGRAL	23.6	kJ/m ²	6.1
SMOKE RELEASE, LOG D	-1.2131		0.0691
OPTICAL DENSITY, D	0.0671	/m	

NUMBER OF SPECIMENS IGNITED: 9
NUMBER OF SPECIMENS TESTED: 9

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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Managing Director of AWTA Ltd.



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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.

INCONSISTENT IGNITABILITY WAS OBSERVED. FOUR SPECIMENS IGNITED EARLY IN THE TEST AND FIVE SPECIMENS IGNITED LATE IN THE TEST. THE REPORTED VALUE IS BASED ON THE MEAN OF THESE RESULTS

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Managing Director of AWTA Ltd.



0204/5/01

Dr Carroll
APPROVED SIGNATORY

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