

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

CLIENT : WOVEN IMAGE PTY LTD
37-39 CHARD ROAD
BROOKVALE NSW 2100

TEST NUMBER : 7-592166-BN
ISSUE DATE : 10/07/2013
PRINT DATE : 10/07/2013

SAMPLE DESCRIPTION Clients Ref: "Outdoor Fine"
Woven fabric
Colour: Blue/Green
Nominal Composition: 100% Polyolefin 226 g/m2
End Use: Wrapped panels/Screen cloth

AS/NZS 3837:1998 Method of Test for Heat and Smoke Release Rates
for Materials and Products Using an Oxygen
Consumption Calorimeter

Results:-

	1	Specimen 2	3	Mean	
Average Heat Release Rate	35.7	37.1	32.2	35.0	kW/m2
Average Specific extinction area (according to Specification C1.10 of the Building Code of Australia)	78.8	57.0	47.4	61.1	m2/kg

Test orientation: Horizontal

	1	Specimen 2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	27	34	39	33	s
Test duration	303	306	300	303	s

Heat release rate curve on the 9 attached sheets which form part of this report

Peak heat release after ignition	76.9	80.5	77.9	78.4	kW/m2
Average heat at 60s	50.4	64.1	52.1	55.5	kW/m2
Release rate at 180s	46.7	47.7	42.8	45.7	kW/m2
After ignition at 300s	35.7	37.1	32.2	35.0	kW/m2
Total heat released	9.9	10.1	8.4	9.5	MJ/m2
Average effective heat of combustion	5.6	5.9	5.0	5.5	MJ/kg

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This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
-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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APPROVED SIGNATORY

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

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Initial thickness	6.0	6.0	6.0	6.0	mm
Initial mass	94.0	92.2	94.3	93.5	g
Mass remaining	79.5	77.9	80.3	79.2	g
Mass percentage pyrolysed	15.4	15.5	14.8	15.3	%
Mass loss	14.5	14.3	14.0	14.3	g
Average rate of mass loss	6.4	6.3	6.4	6.4	g/m2.s

The formulae given in the Building Code of Australia have been shown to give inaccuracies in determination of Group Number for certain materials. Due to this AWTA Product Testing no longer reports Group Numbers. The formulae for calculation of Group Number is available from the website of the Australian Building Codes Board. Group Number calculation based on the results described in this report can be undertaken at the clients discretion

Samples were loose land ont a substrate of 6mm thick cement sheeting prior to testing

Tests were conducted with a wire grid placed of the sample during testing
Thsi was done to contain intumescing sample within the sample holder

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for the assessment of performance under real fire conditions

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(END OF REPORT)

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MANAGING DIRECTOR