

Our Ref: SW/PN/BR

23 April 2014

Report 235217/2

Page 1 of 3

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DATE RECEIVED	:	11 APRIL 2014
QUALITY REFERENCE	:	PVC MATERIAL 550GSM (PRINTED)
REPUTED FIBRE CONTENT	:	NOT GIVEN
FABRIC DESCRIPTION	:	COATED
COLOUR/DESIGN	:	PRINTED
END USE	:	MARQUEE/TEMPORARY STRUCTURE

REQUEST: BS7837: 1996

COMMENTS: The results indicate that the sample meets the requirements of BS7837: 1996.



S. WISEMAN
LABORATORY DIRECTOR



P. NEESAM
HEAD OF FLAMMABILITY

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**FIRE TESTS ACCORDING TO BS 7837:1996
SPECIFICATION FOR FLAMMABILITY PERFORMANCE FOR TEXTILES USED IN
THE CONSTRUCTION OF MARQUEES AND SIMILAR TENTED STRUCTURES**

Conditioning

Prior to testing, the Specimens of PVC Material 550gsm (Printed) were conditioned for 24 hours in an atmosphere having a temperature of $20 \pm 2^{\circ}\text{C}$ and a relative humidity of $65 \pm 5\%$. The specimens were tested, as requested by the customer, in the original, as received condition.

Procedure

Three length and three width specimens were tested in accordance with the above standard. Test 2B (bottom edge ignition) of BS 5438:1989 was used together with a flame application time of 10 seconds, as specified. In addition, a piece of filter paper with specified characteristics was placed 55mm below the specimen to detect flaming debris.

The following parameters were recorded: -

1. Duration of flaming
2. Flame on upper or vertical edges
3. Filter paper ignition

Performance

The sample shall be deemed to perform satisfactorily (pass) if, for at least five of the six test specimens:

- (a) The duration of flaming does not exceed 5s after removal of the igniting flame; and
- (b) The lowest boundary of any flame does not reach the upper edge or either vertical edge; and
- (c) The filter paper does not smoulder or flame.

The sample shall be deemed not to conform to BS 7837:1996 if more than two test specimens show any of the effects listed in (a) to (c) above. If two test specimens show any of the above effects then a further six specimens shall be tested. In this case, the sample shall be deemed to pass if five of the second set of six specimens performs satisfactorily.

Results

<u>Duration of flaming(s)</u>		<u>Edge Reached (Yes or No)</u>		<u>Filter Paper Ignition (Yes or No)</u>	
<u>Length 1 - 3</u>	<u>Width 1 - 3</u>	<u>Length 1 - 3</u>	<u>Width 1 - 3</u>	<u>Length 1 - 3</u>	<u>Width 1 - 3</u>
0	0	No	No	No	No
0	0	No	No	No	No
0	0	No	No	No	No

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Page 3 of 3

Comments

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