

FLAMMABILITY TEST REPORT



No. 45586

SAMPLE INFORMATION

Client : Sensation lab
 : 201 Side Road,
 : Lyndhurst Johannesburg,
 Reference : PVC coated polyester knitted fabric
 Dimensions : 820g/m stretchable fabric
 Sample Received : 1st October 2015
 Pre-treatment : No pre-treatment done



Testing to BS 7837: 1996 Flammability performance for textiles used in the construction of Marquees and similar structures using BS5438: 1989 Flammability of Textile Fabrics when subjected to a Small Igniting Flame Applied to the Face or Bottom Edge of Vertically Oriented Specimens. Test 2B Limited Flame Spread: Bottom Edge Ignition

TESTING

One specimen from both length and width were conditioned and tested in accordance with BS 5438: 1989 Flammability of Textile Fabrics when Subjected to a Small Igniting Flame Applied to the Face or Bottom Edge of Vertically Oriented Specimens – Test 2B Limited Flame Spread: Bottom Edge Ignition as modified by BS 7837: 1996 using butane gas with a 10 second flame application time applied to the raw bottom edge of the fabric. The results obtained are shown below:

	Length			Width		
	1	2	3	1	2	3
Specimen Number	1	2	3	1	2	3
Duration of flaming	0	0	0	0	0	0
Duration of afterglow	2	0	1	0	2	1
Flaming debris separated	No	No	No	No	No	No
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Glow reached an edge	No	No	No	No	No	No
Damaged length(mm)	No	No	No	No	No	No

REQUIREMENTS

For at least 5 of the 6 specimens:

- a) Flame duration is not greater than 5 seconds
- b) The lowest boundary of any flame does not reach the upper edge or any vertical edge
- c) The filter paper does not smoulder or flame

The test results relate only to the ignitability of the combination of materials under the particular conditions of the test: they are not a means of assessing the full fire hazard of the materials in use

CONCLUSION

The fabric tested meets the requirements of BS 7837: 1996 Flammability performance for textiles used in the construction of marquees and similar textile structure.