



**FIRE
TECHNOLOGY
SERVICES**

Confidential Report

Our Ref: 27/02565/06/12

Notified Body
for PPE Directive,
Construction Products Directive
& Marine Equipment Directive
I.D. No. 0338 & 0339

**Fire Technology Services
A division of BTTG T & C Ltd
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Client: Mehler Texnologies GmbH
Edelzeller Strasse 44
36043 Fulda
GERMANY

Job Title: **Fire Test on One Sample of Material**

Clients Order Ref: --

Date of Receipt: 25 June 2012

Description of Sample: One sample of material, referenced: **Valmex FR650-2**.

Work Requested: Fire Technology Services were requested to carry out a fire test on the sample supplied to BS7837.





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Mehler Texnologies GmbH

FIRE TESTS ACCORDING TO BS 7837:1996 (2008) Specification for Flammability Performance for Textiles Used in the Construction of Marquees and Similar Tented Structures

Date of test: 09/07/12

Conditioning

Prior to testing commencing the sample was water-soaked and then conditioned for 48 hours in an atmosphere having a temperature of $20 \pm 2^\circ\text{C}$ and a relative humidity of $65 \pm 5\%$.

Procedure

The test was carried out in accordance with the above standard. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard. Three length and three width specimens were tested.

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 measured :-

1. Duration of flaming
2. Extent of damage
3. Filter paper ignition, if applicable

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.





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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

After Flame Time (secs.)		Edge reached (Yes or No)		Filter Paper Ignition (Yes or No)	
Width	Length	Width	Length	Width	Length
0	0	No	No	No	No
0	0	No	No	No	No
0	0	No	No	No	No

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

Comments

The results indicate that the sample met the above performance requirements.

An estimation of uncertainty of measurement has not been taken into account when making a judgement to any pass/fail criteria.

Reported by: *B Marsden* B Marsden (Mrs), Fire Technician

Countersigned by: *P Doherty* P Doherty, Operational Head

Enquiries concerning this report should be addressed to Customer Services.

