

Wiratec

WIRA TESTING CENTRE**FIRE TESTING**

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Date: 25th January 1999

Our Ref: 27842B/1/99

Your Ref:

Client: Mehler Haku GmbH
Postfach 1180
Rheinstrasse 11
D-41823 or D41836
Huckelhoven
Germany

Title: Fire Tests on Fabric

Client's order no:

Date of receipt: 15/1/99

Description of sample(s): One sample of fabric labelled ref. Polymer 8506, approximately 650g/m², with a PVC coating and polyester reinforcement

Work requested: BS 7837:1996

**BTTG**

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**NAMES**
TESTING
No. 6135

Date: 25th January 1999

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Our Ref: 278428/1/99

Your Ref:

Mehler Haku GmbH
Huckelhoven

**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 commencing the sample was 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

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.

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.

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.

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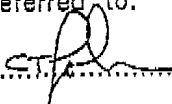
Results

Duration of flaming(s)		Edge Reached (Yes or No)		Filter Paper Ignition (Yes or No)	
Length	Width	Length	Width	Length	Width
2	0	No	No	No	No
0	0	No	No	No	No
3	0	No	No	No	No

Comments

The results indicate that the sample met the above requirements.

The information contained on page no's 1/3 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by Wira Testing Centre on the materials referred to.

Signed..........Date 25.1.99.....

C T Johnson
Head of Fire Testing

CTJ/AM
27863b.rep

Enquiries concerning the technical content of this report should be addressed to the Head of the reporting laboratory named above.

Terms and conditions applying to the operations of Wiratec are printed on the back of the cover page of report.

This report is incomplete without all the pages specified above.

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