

Our Ref: LAS/RM/BR

20 October 2023

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Kvadrat high performance textiles BV
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The Netherlands

DATE RECEIVED	:	06 OCTOBER 2023
DATE TESTED	:	18 OCTOBER 2023
QUALITY REFERENCE	:	RETTA / KHPT FABRIC 123
LOT NUMBER	:	2307001200
ORDER NUMBER	:	23990977 (K2023-304652-002)

REQUEST: BS 5867 - 2:2008 Fabrics for curtains, drapes, and window blinds – Part 2:
Flammability requirements – Specification*

RESULT: The sample submitted complies with the flammability requirements of BS5867-
2:2008 for Type B performance.



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FLAMMABILITY TECHNOLOGIST



L. SMITH
QUALITY COORDINATOR

This report shall not be reproduced except in full without written approval of Eurofins MTS Consumer Product Testing UK Limited. In all circumstances results of tests are implied as referring only to the sample supplied and should not be construed or interpreted on any other basis. The comments given in the report are for guidance only and are not a part of the results. Where specified in a test method preconditioning in accordance with ISO 139 is not carried out as samples are exposed to the conditioning atmosphere specified within ISO 139 for a minimum of 16 hours prior to test.

*This test was sub-contracted to an external accredited laboratory.

*This report has been amended to correct a typographical error made by the lab.



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Report 412257.1**Page 2 of 3****FIRE TESTS ACCORDING TO BS 5867 - 2:2008****Fabrics for curtains, drapes, and window blinds – Part 2: Flammability requirements - Specification****Pre-treatment**

The sample was tested in the 'as received' condition only at the client's request.

In certain cases, non-durable finishes may be employed to meet the performance requirements of this method, these shall not be subject to pre-treatment. However, if such non-durable finishes are used, the fabric shall clearly be labelled as follows:

WARNING: IF WETTED IN ANY WAY IT IS ESSENTIAL TO RE-TREAT THE FABRIC TO MEET FLAMMABILITY REQUIREMENTS; or:

WARNING: WETTING IN ANY WAY MIGHT REMOVE THE FIRE RESISTING QUALITIES OF THE FABRIC.

Procedure

The specimens were tested as a single layer.

Prior to testing the specimens were conditioned for a minimum of 24 hours in an atmosphere having a temperature of $(20 \pm 2)^{\circ}\text{C}$ and $(65 \pm 5)\%$ relative humidity.

The testing was carried out in accordance with BSENISO 15025:2002, procedure A, surface ignition. Propane gas was used, and a flame application of 15 seconds was applied to the face of the fabric. The test was carried out in an atmosphere having a temperature of $(23 \pm 5)^{\circ}\text{C}$ and a relative humidity of between 15% and 80%. Air movement at the point of test was less than 0.2m/s.

Type B performance requirements

No part of any hole nor any part of the lowest boundary of any flame shall reach the top edge or either vertical edge of the sample. If any part of any hole or any part of the lowest boundary of any flame, reaches the top edge or either vertical edge, or if there is any separation of any flaming debris droplets in the testing of one specimen, a further six specimens shall be tested. If all six new specimens comply with the above requirements, the fabric shall be deemed to conform to the requirements for type "B" of the above standard.

Results

The following 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.

They also only relate to the materials tested. They do not guarantee to represent the performance of production materials.

Parameters (as received)	1↑	2↓	3↑	4←	5→	6←
Duration of afterflame [sec]	0.0	0.0	0.0	0.0	0.0	0.0
Duration of afterglow [sec]	0.0	0.0	0.0	0.0	0.0	0.0
Afterglow beyond the flame area	No	No	No	No	No	No
Flames reach an edge	No	No	No	No	No	No
Separation of flaming debris	No	No	No	No	No	No
Hole develops in specimen	No	No	No	No	No	No
Hole reaches an edge	N/A	N/A	N/A	N/A	N/A	N/A

Decision rules

The decision rule applicable to statements of conformity relating to the test(s) carried out is simple acceptance based on the measured test results not falling within a range either side of a specified limit that is equal to the uncertainty of measurement for the parameter measured (based on 95% confidence levels). In all other regards, the decision rule is based on simple acceptance predicated upon the conditions of testing falling within the criteria for test set out in the test method with a conformance probability of 95%. The risk of false accept or false reject is therefore not greater than 2.5%.

Uncertainty of measurement:

Timings ±0.4s
Dimensions ±0.5mm

