

Our Ref: LAS/RM

07 June 2024

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Mario Sirtori SPA
Via Papa Giovanni XXIII, Nr 10
23845 Costamasnaga
Lecco - Italy

Contact: Sabrina Binda

DATE RECEIVED	:	03 JUNE 2024
DATE TESTED	:	07 JUNE 2024
QUALITY REFERENCE	:	KNOT
REPUTED FIBRE CONTENT	:	70% WO, 24% CO, 6% PL
FABRIC DESCRIPTION	:	WOVEN
END USE	:	FURNISHINGS

REQUEST: THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS
1988 (Statutory Instrument 1988 No 1324 and subsequent amendments)
Schedule 4 Part I

RESULT: The sample submitted, when tested as described above, complies with the
requirements of Schedule 4 Part I



R. MASKILL
FLAMMABILITY TECHNOLOGIST



L. SMITH
QUALITY COORDINATOR

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1428

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07 June 2024

Report 422726**Page 2 of 3****THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988
(Statutory Instrument 1988 No 1324 and subsequent amendments)
Schedule 4 Part I**

The Regulations specifies a method of test for examining the ignitability properties of fabrics for use in domestic furniture as defined within the Regulations based on "Ignitability by smoker's materials of upholstered composites for seating" (BS 5852 Part 1:1979). The test is the 'cigarette' test as modified by Schedule 4 Part 1 of the Regulations.

Procedure

Specimens were tested in the as received condition as requested by the client. The specimens were mounted over fillings of non-flame-retardant polyurethane foam with a density of approximately 20-22 kg/m³.

The cigarette test is an indicative test only as it is intended that the test is performed on the actual upholstery composite, details of which are not always known to the cover fabric supplier.

Tests were made in accordance with BS 5852: Part 1: 1979 after being conditioned for 72 h in indoor ambient conditions and then 24 h at the following conditions: Temperature (20 ± 5) °C and relative humidity (50 ± 20) %.

Requirements

Ignition Source 0
(cigarette test)

No flaming; No progressive smouldering one hour after the placement of the cigarette.

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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.

<u>Ignition Source</u>	<u>Observations</u>	<u>Result</u>
0	No flaming or progressive smouldering was observed within 60 minutes of the placement of the cigarettes.	Pass

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



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23845 Costamasnaga
Lecco - Italy

Contact: Sabrina Binda

DATE RECEIVED	:	03 JUNE 2024
DATE TESTED	:	07 JUNE 2024
QUALITY REFERENCE	:	KNOT
REPUTED FIBRE CONTENT	:	70% WO, 24% CO, 6% PL
FABRIC DESCRIPTION	:	WOVEN
END USE	:	FURNISHINGS

REQUEST: THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS
1988 (Statutory Instrument 1988 No 1324 and subsequent amendments)
Schedule 5 Part I

RESULT: The sample submitted, when tested as described above, complies with the
requirements of Schedule 5 Part I of the Regulations



R. MASKILL
FLAMMABILITY TECHNOLOGIST



L. SMITH
QUALITY COORDINATOR

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Report 422725**Page 2 of 3****THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988
(Statutory Instrument 1988 No 1324 and subsequent amendments)
Schedule 5 Part I**

The Regulations specify a method of test for examining the ignitability properties of fabrics for use in domestic furniture as defined within the Regulations, both based on “Ignitability by smoker’s materials of upholstered composites for seating” (BS 5852: Part 1:1979). The test is the ‘match’ test as modified by Schedule 5 Part I of the Regulations.

Procedure

Specimens were tested in the as received condition as requested by the client. The specimen was mounted over fillings of non-flame retardant polyurethane foam with a density of approximately 20-22 kg/m³.

Tests were made in accordance with BS 5852: Part 1: 1979 after being conditioned for 72 h in indoor ambient conditions and then 24 h at the following conditions: Temperature (20 ± 5) °C and relative humidity (50 ± 20) %.

Requirements

Ignition Source 1
(‘match’ test)

All flaming and progressive smouldering to cease within 120 sec of removal of the ignition source.

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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.

<u>Ignition Source</u>	<u>Observations</u>	<u>Result</u>				
1	Flaming ceased within 120 seconds after the removal of the burner tube and no progressive smouldering was observed.	Pass				
	Duration of flaming, secs	<table border="1"> <thead> <tr> <th><u>Test 1</u></th> <th><u>Test 2</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> </tr> </tbody> </table>	<u>Test 1</u>	<u>Test 2</u>	1	2
<u>Test 1</u>	<u>Test 2</u>					
1	2					

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

