

Our Ref: LAS/RM

09 August 2024

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Zimmer & Rohde GmbH
Zimmersmuhlenweg 14-18
61440 Oberursel/Frankfurt

DATE RECEIVED	:	05 AUGUST 2024
DATE TESTED	:	09 AUGUST 2024
QUALITY REFERENCE	:	FR-VELVET
REPUTED FIBRE CONTENT	:	PILE 100% PES FR GROUND 100% PES
COLOUR / DESIGN	:	11009
FABRIC DESCRIPTION	:	WOVEN
END USE	:	UPHOLSTERY
ORDER NUMBER	:	Z + R

REQUEST: THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS
1988 (Statutory Instrument 1988 No 1324 and subsequent amendments)
Schedule 4 Part I and Schedule 5 Part I

RESULT: The sample submitted, when tested as described above, complies with the
requirements of Schedule 4 Part I but does not comply with the requirements
of Schedule 5 Part I of the Regulations



R. MASKILL
FLAMMABILITY TECHNOLOGIST



L. SMITH
QUALITY COORDINATOR

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**THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988
(Statutory Instrument 1988 No 1324 and subsequent amendments)
Schedule 4 Part I and Schedule 5 Part I**

The Regulations specify two methods 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). These tests are (a) the 'cigarette' test as modified by Schedule 4 Part I of the Regulations and (b) the 'match' test as modified by Schedule 5 Part I of the Regulations.

Procedure

The specimens were stated to have not been chemically FR treated and were therefore tested in the as received condition. The specimens were mounted over fillings of combustion modified high resilience foam with a density of approximately 35-36 kg/m³ for the cigarette tests and non-flame-retardant polyurethane foam with a density of approximately 20-22 kg/m³ for the match tests.

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.

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>				
0	No flaming or progressive smouldering was observed within 60 minutes of the placement of the cigarettes.	Pass				
1	Flaming was manually extinguished 44 seconds after the removal of the burner tube due to unsafe escalating combustion.	Fail				
	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>2</td> <td>ME@44</td> </tr> </tbody> </table>	<u>Test 1</u>	<u>Test 2</u>	2	ME@44
<u>Test 1</u>	<u>Test 2</u>					
2	ME@44					

ME: Manually Extinguished

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

