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Our Ref: LAS

11 June 2023

Report 404709/3

Modelli Fabrics
Derwent Bridge House
Gote Road
Cockermouth
Cumbria
CA13 0HW

Contact: Tim Kennedy

DATE RECEIVED	:	08 JUNE 2023
DATE TESTED		L 2023
QUALITY REFERENCE	:	OLBIA
REPUTED FIBRE CONTENT		100% POLYESTER
COLOUR / DESIGN	:	GREY
FABRIC DESCRIPTION	:	WOVEN

REQUEST: BS 5852:2006 “Methods of Test for the Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources” using ignition source 5 (wood crib)

RESULT: The sample meets the flammability performance requirements of BS 5852:2006 when tested using ignition source 5 (wood crib)

R. MASKILL
FLAMMABILITY TECHNOLOGIST

L. SMITH
QUALITY COORDINATOR

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UKAS TESTING
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FIRE TESTS ACCORDING TO BS 5852:2006. Methods of Test for the Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources.

Pre-treatment:

The sample was stated to have received a chemical FR treatment and was therefore subjected to the water soaking procedure described in Annex E of the above-mentioned standard.

Conditioning:
Following any pre-treatment given and prior to testing, the sample was placed in indoor ambient conditions for 72 hours and then conditioned for 24 hours in an atmosphere having a temperature of 23 ±2°C and a relative humidity of 50 ± 5%.

Procedure:
Specimens were mounted over fillings of combustion modified high resilience foam at a density of approximately 35-36 kg/m^3, and tests were made using ignition source 5. Pass classifications were assigned if the performance requirements stated below were met.

Requirements:

Ignition Source No.	Maximum duration allowed for progressive smouldering	Maximum duration allowed for flaming
5	60 min after ignition of wood crib	10 min after ignition of wood crib

Results:
The following test results relate only to the ignitability of the combination of upholstery composites (BS5852: 2006, Clause 11) under the particular conditions of test stated; 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.

	Test 1	**Test 2**
Time of flame extinction (min/secs)	4/20	4/38
Progressive smouldering	No	No
Damage through full thickness	No	No
Result designation	NI (Non-ignition)	NI (Non-ignition)

Flame reached extremities.

Comments:
An 'NI' designation indicates that the sample met the flammability performance requirements of BS 5852:2006 when tested using ignition source 5 (wood crib).

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