

Our Ref: SW/LS

13 January 2021

Report 370152

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Chieftain Fabrics
Fair Green
Trim
Co. Meath
Ireland

Contact: Emily Anderson

DATE RECEIVED	:	07 JANUARY 2021
DATE TESTED	:	13 JANUARY 2021
QUALITY REFERENCE	:	RAVEL
SUPPLIER	:	CHIEFTAIN FABRICS
REPUTED FIBRE CONTENT	:	NOT GIVEN
COLOUR / DESIGN	:	SWEEP
STYLE/SKU	:	WOVEN
FABRIC DESCRIPTION	:	WOVEN
ORDER NUMBER	:	RAVEL
END-USE	:	UPHOLSTERY

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 met the flammability performance requirements of BS 5852:2006 when tested using ignition source 5 (wood crib)



S. WISEMAN
LABORATORY DIRECTOR



L. SMITH
FLAMMABILITY TECHNICIAN

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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.

Conditioning

Prior to testing, the sample was subjected to the water soaking procedure described in annex E of the above-mentioned standard. The sample was then placed in indoor ambient conditions for 72 hours and then conditioned for 24 hours in an atmosphere having a temperature of $23 \pm 2^{\circ}\text{C}$ and a relative humidity of $50 \pm 5\%$.

Procedure

Specimens of 'Ravel' were mounted over fillings of combustion modified high resilience foam at a density of approximately $35\text{-}36 \text{ Kg/m}^3$, and tests were made using ignition source 5. Pass classifications were assigned if the performance requirements stated below were met.

Requirements

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

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.

	<u>Test 1</u>	<u>Test 2</u>
Time of flame extinction (min/secs)	4/36	4/45
Progressive smouldering	No	No
Damage through full thickness	No	No
Result designation	NI (Non-ignition)	NI (Non-ignition)

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).

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