

Our Ref: SW/LS/BR

03 March 2020

**Report 359807/2**

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DATE RECEIVED	:	24 FEBRUARY 2020
QUALITY/REFERENCE	:	M8267/M8322
REPUTED FIBRE CONTENT	:	100% WOOL
COLOUR/DESIGN	:	8218 1B
FABRIC DESCRIPTION	:	WOVEN
END USE	:	UPHOLSTERY

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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)

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

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This report shall not be reproduced except in full without written approval of HSTTS. 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.

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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 tested in the as received condition only. The sample was placed in indoor ambient conditions for 72 hours and then conditioned for 24 hours in an atmosphere having a temperature of  $23 \pm 2^\circ\text{C}$  and a relative humidity of  $50 \pm 5\%$ .

**Procedure**

Specimens of fabric, Ref: M8267/M8322 were mounted over fillings of combustion modified high resilience foam of density about  $36 \text{ Kg/m}^3$ , 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.

	<b>Test 1</b>	<b>Test 2</b>
Time of flame extinction (min/secs)	5/05	5/36
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).