

Our Ref: SW/PN/BR

13 April 2015

**Report 250113/2**

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Burr Lane  
Ilkeston  
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DE7 5JD

Contact: Jennifer/Zarka

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DATE RECEIVED	:	16 FEBRUARY 2015
QUALITY/REFERENCE	:	NPD 42C/8660
REPUTED FIBRE CONTENT	:	NOT GIVEN
ORDER NUMBER	:	1737 (FR)
COLOUR/DESIGN	:	BLACK
FABRIC DESCRIPTION	:	KNITTED
BATCH NUMBER	:	7599

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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 performance requirements of BS 5852:2006 Ignition Source 5.



**S. WISEMAN**  
**LABORATORY MANAGER**



**P. NEESAM**  
**HEAD OF FLAMMABILITY**

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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, and 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 Fabric Ref: NPD 42C/8442, Batch: 7599 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>
Result designation	NI (Non-ignition)	NI (Non-ignition)
Time of Flame Extinction (min/secs)	3.30	4.23

**Comments**

The sample met the performance requirements of BS 5852:2006 Ignition Source 5.