

Our Ref: SW/PN/GL

12 June 2019

**Report 344696/2**

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Chieftain Fabrics  
Wellington Place  
Trim  
Meath  
Ireland

Contact: Chieftain Fabrics

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DATE RECEIVED	:	5 JUNE 2019 CAROUSEL
QUALITY REFERENCE	:	
REPUTED FIBRE CONTENT	:	59% Recycled Cotton, 41% Polyester
FABRIC DESCRIPTION	:	WOVEN
COLOUR/DESIGN	:	MULTI
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 performance requirements of BS 5852:2006 Ignition Source 5.

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**LABORATORY DIRECTOR**



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

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 subjected to the water soaking procedure specified in annex E of the above method, 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 Fabric, Ref: Rustica 2020 (Arendal-Alpne-Baltic-Oslo-Simbel-Norway) were mounted over combustion modified high resilience foam with a density of approximately  $36\text{kg/m}^3$ . 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)	5.02	5.42
Progressive smouldering	No	No
Damage through full thickness	No	No
Result designation	Pass	Pass

### Comments

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