

# Laboratory Test Report

For the attention of: Morgan O Hara  
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Report Number: 08-S-201293-1

Date Received	15-Jan-08
Date Testing Commenced	15-Jan-08
Date Testing Completed	21-Jan-08

**Our ref: V00038/08-S-201293-1**



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Laboratory Report prepared by  
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## SAMPLE IDENTIFICATION

Retailer	NOT KNOWN	Fabric / Yarn Supplier	Not Given
Buyer	Not Given	Fabric / Yarn Quality	Not Given
Description of article	Foam	Customer Reference	CMHR25HC
Retailer style number	Not Given	Article Size	N/A
Retailer Standard Number	The furniture & Furnishings (Fire)(Safety) Regulations 1988	Colour's	White
Order No.	0001000097		

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### Test Request

The sample supplied is Foam-slab (Quality: CMHR 25HC) and has been tested to The Furniture and Furnishings (Fire)(Safety) Regulations 1988, Schedule 1, Part 1, Ignitability test for foam in slab or cushion form, using ignition source 5 of BS 5852:1982 Part 2. Prior to testing, the foam and standard cover fabric were conditioned in indoor ambient conditioned for 72 hours and then in a standard atmosphere having a temperature of 20±5°C and a relative humidity of 50±20% rh for a minimum of 16 hours.

The tests were carried out using a 220g per square metre flame retardant polyester fabric which deviates in part from the specification stated in Schedule 1 Part 1 of the Regulations. Although this fabric does not fully meet the specification laid down in the Regulations this was regarded as having no significant effect on the test.

### Comments on Test Results

On the basis of the tests carried out as described, it is the opinion of this laboratory that this Foam sample would meet the performance requirements of The Furniture and Furnishings (Fire) (Safety) Regulations 1988, Schedule 1, Part 1, when using ignition source 5 of BS 5852:1982 Part 2.

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## Results

The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test; they are not intended as a means of assessing the fully potential fire hazard of the materials in use.

### IGNITION SOURCE 5

Specimen Number	1	Time	2	Time
Smoking	Y	5mins 14secs	Y	5mins 41secs
Smouldering	N	-	N	-
Flaming	Y	2mins 55secs	Y	2mins 59secs
Afterglow	N	-	N	-
Damage exceeds limits of clauses 4.1(e),4.1(f) or 4.2(f)	N	-	N	-
Resultant mass loss (g)	30g	-	28g	-
Final Examination	P		P	

#### *Pass Criteria*

*Disregard flaming which ceases within 10 minutes and smoke, heat or glowing which ceases within 60 minutes of igniting the crib.*

*No progressive smouldering is to be present in the final examination.*

#### **Schedule 1 Part 1 (The Furniture & Furnishings (Fire) (Safety) Regulations 1988 No.1324)**

##### **Paragraph 5**

***If failure against the criteria of clause 4 of BS 5852:Part 2 has occurred but only by way of damage exceeding the limits defined in clause 4.1(e), 4.1(f) and 4.2(f) and provided that the resultant mass loss is less than 60g the foam passes the ignitability test.***

***Clause 4.1(e) any composite that smoulders to the extremities of the specimen viz upper or lower margins, either side or to its thickness, within the duration of the test.***

***Clause 4.1(f) any composite that, on the final examination, shows evidence of charring other than discolouration, more than 100 mm in any direction apart from upwards from the nearest part of the original position of the source.***

***Clause 4.2(f) any composite on which any flame front reaches the lower margin, either side or passes through the full thickness of the specimen within the duration of the test.***

Key :

Y = Yes

P = Pass

N = No

F = Fail

N/A = Not Applicable

For Bureau Veritas

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