

## FLAMMABILITY TEST REPORT

Report No.: LEHTX00931735      Date Received: 12/01/17      Date Tested: 18/01/17      Date Issued: 19/01/17

**Company Name & Address:** CAMIRA FABRICS  
MELTHAM MILLS  
MELTHAM  
HUDDERSFIELD  
HD9 4AY

**Contact Name:** REBECCA GRIMES

### Sample Details

Order No.: PO 59044  
Description: Not stated  
Ref/ Style No.: HLDS80  
Colour: APT  
Quality: Synergy / Zirpro / Synergy 170 Zirpro / Synergy 66 Zirpro  
Supplier: Camira  
Batch No.: 324430 0103  
End Use: Contract Upholstery  
Quoted Fibre Composition: Not stated  
Retailer: Not stated  
Sample Description: Red coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS EN 1021-1:2014 (Smouldering Cigarette)	Watersoak as Annex D of BS EN 1021-1:2014	As BS EN 1021-1:2006 (Smouldering Cigarette)	NI (PASS)
BS EN 1021-2:2014 (Match Flame Equivalent)	Watersoak as Annex D of BS EN 1021-1:2014	As BS EN 1021-2:2006 (Match Flame Equivalent)	NI (PASS)
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	Watersoak as Annex E of BS 5852:2006	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	NI (PASS)
The upholstery composite tested meets the performance requirements for resistance to ignition as detailed in the Medium Hazard (Cigarette, Match & Crib 5) category of Table 1 of BS 7176: 2007.			



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## FLAMMABILITY TEST REPORT

### Test Specification

Test Method: BS EN 1021-1:2014 (Smouldering Cigarette)  
BS EN 1021-2:2014 (Match Flame Equivalent)

### Filling specification

Filling Type: Polyurethane foam  
Supplier / Grade: Carpenter / RX36110 Combustion Modified (As requested by the customer)  
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)  
Density / Hardness: 34-36 kg/m<sup>3</sup> / 105-115N

### Pre-treatment / Durability procedure

Watersoak as Annex D of BS EN 1021-1:2014

### Conditioning

Prior to Testing: At least 24 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%  
At Time of Testing: Temperature between 10°C. and 30°C. and a relative humidity between 15% and 80%.

### Test Results

BS EN 1021-1:2006 (Smouldering Cigarette). Test 1:	The cigarette burnt out within 24 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b>
BS EN 1021-1:2006 (Smouldering Cigarette). Test 2:	The cigarette burnt out within 25 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b>
BS EN 1021-2:2006 (Match Flame Equivalent). Test 1:	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>
BS EN 1021-2:2006 (Match Flame Equivalent). Test 2:	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>
BS EN 1021-2:2006 (Match Flame Equivalent). Test 3:	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>
<i>"The above test results relate only to the ignitability of the combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use."</i>	

## FLAMMABILITY TEST REPORT

### Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

### Foam specification

Supplier / Grade: Carpenter / RX36110 (As requested by the customer)  
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)  
Density / Hardness: 34-36kg/m<sup>3</sup> /105-115N

### Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 24 hours in an atmosphere having a temperature of 23 ± 2°C and a relative humidity of 50 ± 5%

At Time of Testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

### Test Results

*"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 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 or products in use";*

Test number / position	1	2
<b>Criterion of Ignition</b>		
<b>Smouldering Criteria</b>		
Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition	No	No
Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
<b>Flaming Failure</b>		
The test specimen continued to flame for more than 10 minutes after the ignition of the crib	No	No
Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Flaming essentially consumed the test specimen within the duration of the test	No	No
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No	No
<b>Final Examination</b>		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No	No
Time to extinction of flames after crib ignition	4 Minutes 36 Seconds	4 Minutes 11 Seconds
Time to extinction of glowing after crib ignition	7 Minutes 01 Second	6 Minutes 37 Seconds
Time to extinction of smoke after crib ignition	8 Minutes 09 Seconds	7 Minutes 52 Seconds
Maximum extent of damage to back (mm) Length / Width	400 / 85	400 / 90
Maximum extent of damage to base (mm) Length / Width	80 / 90	85 / 95
<b>Test Result</b>	<b>NI/5 (PASS)</b>	<b>NI/5 (PASS)</b>
<b>Ignitability performance index: "Clause 11 - NI/5"</b>		

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