

FLAMMABILITY TEST REPORT

Report No.: LEHTX00538386 **Date Received:** 29/06/10 **Date Tested:** 05/07/10 **Date Issued:** 05/07/10

Company Name & Address: CAMIRA FABRICS LTD
MELTHAM MILLS
MEELTHAM
WEST YORKSHIRE
HD9 4AY

Contact Name: LOUISE WILSON

Sample Details

Order no.: 33869
Description: Phoenix
Supplier: Camira
End Use: Chairs
Colour(s) : Blue
Quoted Fibre composition: 100% Polyester
Fabric type: Woven
Sample description: Blue coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS EN 1021-1:2006 (Smouldering Cigarette)	None	As BS EN 1021-1:2006 (Smouldering Cigarette)	NI (PASS)
BS EN 1021-2:2006 (Match Flame Equivalent)	None	As BS EN 1021-1:2006 (Match Flame Equivalent)	NI (PASS)
The upholstery composite tested meets the performance requirements for resistance to ignition as detailed in the Low Hazard category of Table 1 in Clause 4 of BS 7176: 2007.			

Sampling and frequency of testing

Each upholstery composite shall be tested in accordance with the relevant tests identified in Table 1 for the appropriate hazard category every 2 500 units produced or once per month. Retesting shall be carried out where there is any major basic alteration to a furniture specification (e.g. of fibre content, construction, flame-retardant finish or mass per unit area of fabric, density or type of filling or change of materials manufacturer). Changes in the colour (where the fabric was flame-retardant finished in the same batch) of the product or minor changes in the pattern or construction, e.g. of the order of 2 picks/cm, shall not be deemed sufficient reason to necessitate retesting.



STEVEN OWEN
(Chemical Technologist)

CAROLE SPOWART
(Flammability Technician)

ANDREW WHITE
(Quality Manager)

SIMON CHEE
(Analytical Lab Manager)

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Filling Specification

Filling type: Polyurethane foam
Supplier / grade: Carpenter / RX36100 (As requested by the customer)
Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness: 35-37kg/m³ / 95-115

Pre-treatment / Durability procedure

None (As requested by the customer)

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

Smouldering cigarette

Test number / position	1	2
Criterion of ignition		
Smouldering Criteria		
Unsafe escalating combustion (3.1a)	No	No
Test assembly consumed (3.1b)	No	No
Smoulders to extremities (3.1c)	No	No
Smoulders through thickness (3.1c)		
Smoulders more than 1 hour (3.1d)	No	No
In final examination, presence of active smouldering (3.1e)	No	No
Flaming criteria		
Occurrence of flames (3.2)	No	No
Comments		
Flaming ceased	-	-
Glowing ceased	-	-
Smoke ceased	21 minutes 13 seconds	23 minutes 51 seconds
Result (Ignition/Non Ignition)	NI	NI

Match flame equivalent

Test number / position	1	2	3
Criterion of ignition			
Smouldering Criteria			
Unsafe escalating combustion (3.1a)	No	No	No
Test assembly consumed (3.1b)	No	No	No
Smoulders to extremities (3.1c)	No	No	No
Smoulders through thickness (3.1c)	No	No	No
Smoulders more than 1 hour (3.1d)	No	No	No
In final examination, presence of active smouldering (3.1e)	No	No	No
Flaming criteria			
Unsafe escalating combustion (3.2a)	No	No	No
Test assembly consumed (3.2b)	No	No	No
Flames to extremities (3.2c)	No	No	No
Flames through thickness (3.2c)	No	No	No
Flames longer than 120 s (3.2d)	No	No	No
Comments			
Flaming ceased	7 seconds	13 seconds	16 seconds
Glowing ceased	-	-	-
Smoke ceased	12 seconds	19 seconds	25 seconds
Result (Ignition/Non Ignition)	NI	NI	NI

"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."