

FLAMMABILITY TEST REPORT

Report No.: LEI19015394A **Date Received:** 25/09/18 **Date Tested:** 01/10/18 **1st Date Issued:** 02/10/18
Supplementary to: **Supplementary Issued:**
LEI18094018A 30/01/19

Company Name & Address: O N I R O TEXTILES
WOUDENBERGSEWEG 19 C-10
3707HW
ZEIST
THE NETHERLANDS

Contact Name: RICHARD LELIVELD

Sample Details

Order No.: Not stated
Description: SKIN
Ref. / Style No.: Not stated
Colour: Black
Quality: SKIN
Supplier: China
Batch No.: C180919
Intended Use: Upholstery
Quoted Fibre Composition: 60% PUR + 35% PES + 5% CO
Retailer: Not stated
Specification No.: Not stated
Sample Description: Grey coloured woven fabric with black coloured coating

Test Method	Pre Treatment	Requirement	Result
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/5 (PASS)

Note: The customer requested that RX36110 foam with an approximate density of 35 kg/m³ be used as the filling material


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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: 34-38kg/m³ / 94-125N

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
Criterion of Ignition		
Smouldering Criteria		
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
Flaming Failure		
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
Final Examination		
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 20 Seconds	3 Minutes 52 Seconds
Time to extinction of glowing after crib ignition	7 Minutes 45 Seconds	7 Minutes 08 Seconds
Time to extinction of smoke after crib ignition	8 Minutes 03 Seconds	7 Minutes 22 Seconds
Maximum extent of damage to back (mm) Length / Width	400 / 85	400 / 90
Maximum extent of damage to base (mm) Length / Width	60 / 80	75 / 85
Test Result	NI/5 (PASS)	
Ignitability performance index: "Clause 11 - NI/5"		

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