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LAB N° 0045 L

Test Report No.:	2207855-003	
Date Test Report	17-nov-22	Customer Code 05485
Acceptance:	2207855	Dear:
Arrival date sample	11-nov-22	MARIO SIRTORI SPA
Start date test	11-nov-22	via Papa Giovanni XXIII 10
End date test	17-nov-22	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig. Sergio Sala Crist
		Phone: +39 031 879632
Sampling Mode:	Campionamento effettuato dal Committente *	
[C] Item:	PATTON	
[C] Declared Composition:	50% PC - 28% VI - 14% CO - 8% PL	
[C] End use:	furnishing	
[C] Typology:	fabric	
Return:	no requested	

Test Results

Test	Method	U.M.	Result
15066 UPHOLSTERY FURNITURE COMPONENTS: ASSESSMENT OF THE IGNITABILITY BY SMOULDERING CIGARETTE	UNI EN 1021-1:2014		.
Start date test	15/11/2022		
End date test	16/11/2022		
Instrument:	Small Test Rig and burner		
Test carried out on			COVER FABRIC
Pretreatment carried out			none
Ignition source			source 0 (SMOULDERING CIGARETTE)
Materials of test assembly			.
Upholstery filling:	fire retardant polyurethane foam with a density of 35 kg/m ³		
Inner cover:	-		
Outer cover:	SEE ARTICLE DESCRIPTION		
TEST RESULT			SAMPLE PASSES THE TEST – NON IGNITION
Note:	to assess the ignitability of this sample, the test has been carried out using a fire-retardant polyurethane foam with a density of 35 kg/m ³ as filling of the upholstered seating. The test result could be different using another type of filling material.		
Deviations from the method			none
Annex n.			1F
Details of the test results related to each specimen can be seen in the annex of this test report.			

(*) = The tests marked in this way are not accredited by Accredia

The Results contained in this Report refer only to the Sample as received and do not imply an approval of the tested product by the Laboratory of the Centro Tessile Serico Sostenibile Srl. Unless otherwise specified, the side examined / straight of use is indicated by the Customer: this information can influence the results of the tests and therefore the Test Laboratory declines all responsibility.

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LAB N° 0045 L

Test Report No.: **2207855-003**

Test	Method	U.M.	Result
15076 UPHOLSTERY FURNITURE: ASSESSMENT OF THE IGNITABILITY BY MATCH FLAME	UNI EN 1021-2:2014		.
Start date test	15/11/2022		
End date test	16/11/2022		
Instrument:	Small Test Rig and burner		
Test carried out on			COVER FABRIC
Pretreatment carried out			none
Ignition source			source 1 (MATCH FLAME EQUIVALENT)
Materials of test assembly			.
Upholstery filling:	fire retardant polyurethane foam with a density of 35 kg/m ³		
Inner cover:	-		
Outer cover:	SEE ARTICLE DESCRIPTION		
TEST RESULT			SAMPLE PASSES THE TEST – NON IGNITION
Note:	to assess the ignitability of this sample, the test has been carried out using a fire-retardant polyurethane foam with a density of 35 kg/m ³ as filling of the upholstered seating. The test result could be different using another type of filling material.		
Deviations from the method			none
Annex n.			2F
Details of the test results related to each specimen can be seen in the annex of this test report.			

The Laboratory Manager

Fausto Albonico

END OF REPORT

(*) = The tests marked in this way are not accredited by Accredia

The Results contained in this Report refer only to the Sample as received and do not imply an approval of the tested product by the Laboratory of the Centro Tessile Serico Sostenibile Srl. Unless otherwise specified, the side examined / straight of use is indicated by the Customer: this information can influence the results of the tests and therefore the Test Laboratory declines all responsibility.

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LAB N° 0045 L

Annex n. 1F to test report n. 2207855-003

DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-1:2014 (EN 1021-1:2014) Furniture - Assessment of the ignitability of upholstered furniture Part 1: Ignition source: smouldering cigarette

Sample description: **PATTON**

Declared composition: **50% PC - 28% VI - 14% CO - 8% PL**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m³**

Inner cover: -

Outer cover: **see article description**

Conditioning of test specimen: **23 ± 2 °C, 50 ± 5 % r.h.**

Testing temperature and r.h.: **16°C – 61% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment**

Date of test: **16.11.2022**

SMOULDERING CRITERIA:	1st cigarette	2nd cigarette	3rd cigarette	Comments
Smouldering criteria:				
Unsafe escalating combustion	NO	NO	NO	Time elapsed between placing the cigarette and extinguishing 1 st 23 min (**) 2 nd 25 min (**) 3 th 24 min (**)
Test assembly consumed	NO	NO	NO	
Smoulders to extremities	NO	NO	NO	
Smoulders through thickness	NO	NO	NO	
Smoulders more than 1 h	NO	NO	NO	
In final examination, presence of active smouldering	NO	NO	NO	
Flaming criteria:				
Evidence of flames	NO	NO	NO	

(**) = Partial combustion of the cigarette

YES = criteria observed

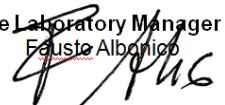
NO = criteria not observed

TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION

The above test results relate only to the ignitability of the combination of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the material in use.

The probability that the observation criteria mentioned represent the truth is equal to 95%.

The Laboratory Manager
 Fausto Albanico





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LAB N° 0045 L

Annex n. 2F to test report n. 2207855-003

DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-2:2014 (EN 1021-1:2014) Furniture - Assessment of the ignitability of upholstered furniture Part 2: Ignition source: match flame equivalent

Sample description: **PATTON**

Declared composition: **50% PC - 28% VI - 14% CO - 8% PL**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m³**

Inner cover: -

Outer cover: **see article description**

Conditioning of test specimen: **23 ± 2 °C, 50 ± 5 % r.h.**

Testing temperature and r.h.: **16°C – 61% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment**

Date of test: **16.11.2022**

SMOULDERING CRITERIA:	1st test	2nd test	3rd test	Comments
Smouldering criteria:				
Unsafe escalating combustion	NO	NO	NO	Time smouldering: 1st test: 8 s 2nd test: 7 s 3rd test: 8 s
Test assembly consumed	NO	NO	NO	
Smoulders to extremities	NO	NO	NO	
Smoulders through thickness	NO	NO	NO	
Smoulders more than 1 hour	NO	NO	NO	
In final examination, presence of active smouldering	NO	NO	NO	
Flaming criteria:				
Unsafe escalating combustion	NO	NO	NO	Time flaming: 1st test: 0 s 2nd test: 0 s 3rd test: 0 s
Test assembly consumed	NO	NO	NO	
Flames to extremities	NO	NO	NO	
Flames through thickness	NO	NO	NO	
Flames more than 120 s	NO	NO	NO	

YES = criteria observed

NO = criteria not observed

TEST RESULT: SAMPLE PASSES THE TEST – NON IGNITION

The above test results relate only to the ignitability of the combination of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the material in use. The probability that the observation criteria mentioned represent the truth is equal to 95%.