

Test Report No.:	2208838-001	
Date Test Report	05-gen-23	Customer Code 05485
Acceptance:	2208838	Dear:
Arrival date sample	20-dic-22	MARIO SIRTORI SPA
Start date test	20-dic-22	via Papa Giovanni XXIII 10
End date test	05-gen-23	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig. Sergio Sala Crist
		Phone: +39 031 879632
Sampling Mode:	Sampling by Customer *	
[C] Item:	HIRA	
[C] Declared Composition:	40% PC - 28% CO - 27% VI - 5% LI	
[C] End use:	furnishing	
[C] Typology:	fabric	
Return:	no requested	

Test Results

Test	Method	U.M.	Result
15066 UPHOLSTERY FURNITURE	TB 117:2013		.
COMPONENTS: ASSESSMENT OF THE IGNITABILITY BY SMOULDERING CIGARETTE			
Start date test	03/01/2023		
End date test	04/01/2023		
Instrument: Mini Mock Up Tester			
Test carried out on			COVER FABRIC
Pretreatment carried out			none
Ignition source			SMOULDERING CIGARETTE
Materials of test assembly			.
Upholstery filling: NON fire retardant polyurethane foam with a density of 28 kg/m ³			
Inner cover: -			
Outer cover: SEE ARTICLE DESCRIPTION			
TEST RESULT			PASS
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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Centro Tessile Serico Sostenibile Srl
via Castelnuovo, 3 - 22100 Como Italia
Pho +39 031 3312111/120 Fax: +39 0313312149
Amministrazione/Contabilità +39 031 3312102-154
P. IVA - C.F. 003900470133
Capitale sociale euro 600000,00 iv
mailbox@textilecomo.com



LAB N° 0045 L

Test Report No.: **2208838-001**

Test	Method	U.M.	Result
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The Laboratory Manager

Fausto Albonico

END OF REPORT

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

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Centro Tessile Serico Sostenibile Srl
Via Castelnuovo, 3 – 22100 Como Italia
Tel. +39 031331211 Fax +39 0313312149
Amministrazione/Contabilità +39 0313312102-154
P.IVA – C.F. 03900470133
Capitale sociale euro 600.000,00 iv
mailbox@textilecomo.com
www.textilecomo.com



LAB N° 0045 L

Annex n. 1F to test report n. 2208838-001

DETAILS OF TEST RESULTS

Test executed according to TB 117:2013

Requirements, Test procedure and Apparatus for testing the Smolder Resistance of Materials used in Upholstered Furniture

Sample description: **HIRA**

Declared composition: **40% PC - 28% CO - 27% VI - 5% LI**

Conditioning of test specimen and ignition source (SRM 1196 cigarette): **24 h at 21 ± 3°C, <55% r.h.**

Testing temperature and r.h.: **17°C, 60% r.h.**

Filling specification: **NON FIRE-RETARDANT polyurethane foam with a density of 28 kg/m³**

Date of test: **04.01.2023**

Type of fabric: COVER FABRIC

Specimen number	1	2	3
Total combustion of the cigarette (YES / NO)	YES	YES	YES
Time of progressive smouldering from placement of the source (min)	35	37	37
Size of the damage (mm)	16	16	18
Mock-up test specimen transitions to open flaming (YES / NO)	NO	NO	NO
CIGARETTE TEST RESULT (PASS/FAIL)	PASS	PASS	PASS

Cover Fabric Classification (ref. TB 117:2013)

A single mock-up test specimen fails to meet the requirements if any of the following criteria occurs:

- The mock-up test specimen continues to smolder after the 45 minute test duration;
- A char in any direction more than 45 mm develops on the cover fabric
- The mock-up test specimen transitions to open flaming.

- The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their full length and the mock-ups are no longer smoldering.
- If more than one initial specimen fails, the cover fabric fails the test.
- If any one of the three initial specimens fails, repeat the test on additional three specimens.
- If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

The following test result 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.

Upholstery cover fabrics that fail the cover fabric test described in Section 1 can be used in upholstered furniture if a barrier (interliner) material that passes the test method described in Section 2 is used. When a barrier is required, the barrier material must cover all sides and top of the seating cushion(s). Exceptions: Non-reversible and non-detachable seating cushions do not require the use of the barrier material on the underside of the seating cushion.

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

The Laboratory Manager
Fausto Albano