



REPORT

Report nr.: **1206775-001**

Report date: **12-lug-12**

Acceptance code: **1206775**

Acceptance date: **10-lug-12**

Start test date: **10-lug-12**

End test date: **12-lug-12**

References: **---**

Customer code: **5485**

To:
MARIO SIRTORI SPA
via Papa Giovanni XXIII 10
23845 COSTA MASNAGA (LC)
Italia

To the attention of:

sig.ra Paola Mauri

Tel.nr: +39 031 879632

Fax.nr.: +39 031 855397

Article description:

LAMA COL. BEIGE

Declared composition:

65% Wool - 15% Alpaca - 20% Polyamide

End use:

Furnishing

Typology:

Fabric

Return:

No requested

Sampling by customer

The results reported herein refer to the tested samples only and do not involve any product approval by Centro Tessile Serico.
This document may not be reproduced other than in full, except with the prior written approval of the issuing Laboratory.

TEST

M.U.

RESULTS

15566 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE

Method: UNI EN 1021-1:2006

Instrument: Small Test Rig for Flammability test

Sample pretreatment:

sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant.

Ignition source applied:

source 0 (SMOULDERING CIGARETTE)

Materials of test assembly:

Upholstery filling: NON fire retardant polyurethane foam with a density of 21 kg/m³

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 NON fire-retardant polyurethane foam with a density of 21 kg/m³ as filling of the upholstered seating.
The test result could be different using another type of filling material.

Annex n.:

1F

The test measures only the ignitability of a combination of materials used in upholstered seating and not the ignitability of a particular finished item of furniture incorporating these materials. They give an indication of, but cannot guarantee, the ignition behavior of the finished item of furniture.

Details of the results can be seen in the annex of this test report.



Report nr.

1206775-001

TEST

M.U.

RESULTS

15576 UPHOLSTERY FURNITURE: assessment of the ignitability by MATCH FLAME EQUIVALENT

Instrument: Small Test Rig and burner for Flammability test

Sample pretreatment:

sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant.

Ignition source applied:

source 1 (MATCH FLAME EQUIVALENT)

Materials of test assembly:

Upholstery filling: NON fire retardant polyurethane foam with a density of 21 kg/m³

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 NON fire-retardant polyurethane foam with a density of 21 kg/m³ as filling of the upholstered seating.

The test result could be different using another type of filling material.

Annex n.:

2F

The test measures only the ignitability of a combination of materials used in upholstered seating and not the ignitability of a particular finished item of furniture incorporating these materials. They give an indication of, but cannot guarantee, the ignition behaviour of the finished item of furniture.

Details of the test results can be seen in the annex of this test report.

END OF REPORT

Supervisor Head

p.i. Giovanna Baglio

Technical Head

Prof. Mario Frigerio



Annex n. 2F to test report n. 1206775-001

DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-2:2006 (EN 1021-1:2006)
Furniture - Assessment of the ignitability of upholstered furniture
Part 2: Ignition source: match flame equivalent

Article description: **LAMA COL. BEIGE**

Declared composition: **65% wool - 20% polyamide - 15% alpaca**

Materials of test assembly:

Upholstery filling: **NON fire-retardant polyurethane foam with a density of 21 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.: **22°C, 70% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant**

Date of test: **12.07.2012**

SMOULDERING CRITERIA:	1st test	2nd test	3rd test	Comments
Smouldering criteria:				
Unsafe escalating combustion	NO	NO	NO	-
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	Time smouldering: 1st test: 10 s 2nd test: 12 s 3rd test: 8 s
In final examination, presence of active smouldering	NO	NO	NO	-
Flaming criteria:				
Unsafe escalating combustion	NO	NO	NO	-
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	Time flaming: 1st test: 0 s 2nd test: 0 s 3rd test: 0 s

YES = criteria observed

NO = criteria not observed

TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION



Annex n. 2F to test report n. 1206775-001

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 true is equal to 95%.

The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor $K = 2$, which for a normal distribution leads to a confidence level of approximately 95%.



Annex n. 1F to test report n. 1206775-001

DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-1:2006 (EN 1021-1:2006)

Furniture

Assessment of the ignitability of upholstered furniture

Part 1: Ignition source: smouldering cigarette

Article description: **LAMA COL. BEIGE**

Declared composition: **65% wool – 20% polyamide - 15% alpaca**

Materials of test assembly:

Upholstery filling: **NON fire-retardant polyurethane foam with a density of 21 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.: **22°C, 70% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant**

Date of test: **12.07.2012**

SMOULDERING CRITERIA:	first cigarette	second cigarette	Comments
Smouldering criteria:			
Unsafe escalating combustion	NO	NO	-
Test assembly consumed	NO	NO	-
Smoulders to extremities	NO	NO	-
Smoulders through thickness	NO	NO	-
Smoulders more than 1 h	NO	NO	Time elapsed between placing the cigarette and extinguishing: 1st cigarette: 8 min 2nd cigarette: 22 min
In final examination, presence of active smouldering	NO	NO	-
Flaming criteria:			
Evidence of flames	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 true is equal to 95%.

The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor K = 2, which for a normal distribution leads to a confidence level of approximately 95%.