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TEST REPORT

Report nr.: **2001078-001**
Report date: **20-feb-20**
Acceptance code: **2001078**
Acceptance date: **13-feb-20**
Start test date: **13-feb-20**
End test date: **20-feb-20**
References: ---

Customer code: 5485

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

To the attention of:
sig. Sergio Sala Crist

Tel.nr.: +39 031 879632
Fax.nr.: +39 031 855397

Article description: **DUNE**
Declared composition: **35% Cotton - 25% Acrylic - 18% Polyester - 13% Viscose - 9% Wool**
End use: **Furnishing**
Typology: **Fabric**
Return: **No requested**
Sampling by customer

The results reported herein refer exclusively to the tested sample as received 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. The informations as Article Description, Declared Composition and Tipology listed above are data supplied by the Customer for which this Laboratory declines any responsibility.

TEST	M.U.	RESULTS
15566 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE		
Method:	UNI EN 1021-1:2014	
Instrument:	Small Test Rig for Flammability test	
Sample pretreatment:		
sample wasn't submitted to any pretreatment		
Ignition source applied:		
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/m³ as filling of the upholstered seating. The test result could be different using another type of filling material.

Annex n.:

1F



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Report nr.

2001078-001

TEST

M.U.

RESULTS

END OF TEST REPORT

Technical Head

Enrica Baldini

Annex n. 1F to test report n. 2001078-001

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

Article description: **DUNE**

Declared composition: **35% Cotton - 25% Acrylic - 18% Polyester - 13% Viscose - 9% Wool**

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.: **19°C, 34% r.h.**

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

Date of test: **19.02.2020**

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 1 st 19 min 2 nd 28 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%.

Technical Head
Enrica Baldini





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TEST REPORT

Report nr.: **2001078-002**
Report date: **20-feb-20**
Acceptance code: **2001078**
Acceptance date: **13-feb-20**
Start test date: **13-feb-20**
End test date: **20-feb-20**
References: ---

Customer code: 5485

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Italia

To the attention of:

sig. Sergio Sala Crist

Tel.nr: +39 031 879632

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Article description: **DUNE**
Declared composition: **35% Cotton - 25% Acrylic - 18% Polyester - 13% Viscose - 9% Wool**
End use: **Furnishing**
Typology: **Fabric**
Return: **No requested**
Sampling by customer

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TEST	M.U.	RESULTS
15576 UPHOLSTERY FURNITURE: assessment of the ignitability by MATCH FLAME EQUIVALENT		
Method:	UNI EN 1021-2:2014	
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: 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/m³ as filling of the upholstered seating. The test result could be different using another type of filling material.

Annex n.:

1F



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Report nr.

2001078-002

TEST

M.U.

RESULTS

END OF TEST REPORT

Technical Head

Enrica Baldini

Annex n. 1F to test report n. 2001078-002

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

Article description: **DUNE**

Declared composition: **35% Cotton - 25% Acrylic - 18% Polyester - 13% Viscose - 9% Wool**

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.: **19°C, 34% r.h.**

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

Date of test: **19.02.2020**

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: 1 s 2nd test: 1 s 3rd test: 1 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: 1 s 2nd test: 5 s 3rd test: 0 s

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%.

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