



Report nr.

1508146-001

**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
30 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 fire-retardant
polyurethane foam with a density of 30 kg/m³ as filling of the upholstered seating.
The test result could be different using another type of filling material.

Annex n.:

2F

**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

Ignition source applied:

source 1 (MATCH FLAME EQUIVALENT)

Materials of test assembly:

Upholstery filling: fire retardant polyurethane foam with a density of
30 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 fire-retardant
polyurethane foam with a density of 30 kg/m³ as filling of the upholstered seating.
The test result could be different using another type of filling material.

Annex n.:

3F



Annex n. 2F to test report n. 1508146-001

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: **ROXANA CS 01**

Declared composition: **100% Trevira**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 30 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.: **20 °C e 58% r.h.**

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

Date of test: **30.11.2015**

SMOULDERING CRITERIA:	first cigarette	second cigarette	Third 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° cigarette 19 min 2° cigarette 20 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%.



Annex n. 3F to test report n. 1508146-001

DETAILS OF TEST RESULTS

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

Article description: **ROXANA CS 01**

Declared composition: **100% Trevira**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 30 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.: **20 °C e 58% r.h.**

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

Date of test: **30.11.2015**

SMOULDERING CRITERIA:	1st test	2nd test	3rd test	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 120 s	NO	NO	-	Time smouldering: 1st test: 17 s 2nd test: 13 s
In final examination, presence of active smouldering	NO	NO	-	
Flaming criteria:				
Unsafe escalating combustion	NO	NO	-	
Test assembly consumed	NO	NO	-	
Flames to extremities	NO	NO	-	
Flames through thickness	NO	NO	-	
Flames more than 120 s	NO	NO	-	Time flaming: 1st test: 2 s 2nd test: 2 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%.