



Report nr.

1501655-003

TEST

M.U.

RESULTS

15066 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE

Method: BS 5852:2006

Instrument: Test rig

Test executed on:

upholstery composites (Clause 11)

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: 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

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. **1501655-003**

TEST	M.U.	RESULTS
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15076 UPHOLSTERY FURNITURE: assessment of the ignitability by MATCH FLAME EQUIVALENT

Method: BS 5852:2006

Instrument: Test rig

Test executed on:
 upholstery composites (Clause 11)

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 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.: 4F

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.



Annex n. 3F to test report n. 1501655-003

DETAILS OF TEST RESULTS

Test executed according to BS 5852:2006 – Clause 11 (composites):
Method of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources.
Ignition source type 0: CIGARETTE

Article description: **S12788 / ALAMO**

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 and ignition source: **23±2°C, 50±5% r.h.**

Testing temperature and r.h.: **19 °C, 38 % r.h.**

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

Date of test: **10.03.2015**

ignition source		1.st cigarette	2.nd cigarette
duration of ignition source (min)		25	26
duration flame (min)		0	0
duration smoke (min)		25	27
(*) extent of damage of horizontal component	Length (mm)	70	67
	Width (mm)	12	12
	Depth (mm)	4	4
(*) extent of damage of vertical component	Height (mm)	19	21
	Depth (mm)	3	3
TEST RESULT	Ignition/ Non Ignition	Non Ignition	Non Ignition

(*) = total extent of sample's damage without subtracting the cigarette dimensions

(**) = Partial combustion of the cigarette

TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION

The above test result relate only to the ignitability of the combination of upholstery composites (Clause 11) under the particular conditions of test.

They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.



Annex n. 4F to test report n. 1501655-003

DETAILS OF TEST RESULTS

Test executed according to BS 5852:2006 – Clause 11 (composites):
Method of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources.
Ignition source type 1: MATCH FLAME EQUIVALENT

Article description: **S12788 / ALAMO**

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.: **18 °C, 40 % r.h.**

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

Date of test: **12.03.2015**

ignition source		1.st test	2.nd test
duration flames (s)		1	2
duration smoke (s)		18	20
extent of damage of horizontal component	Length (mm)	15	16
	Width (mm)	14	13
	Depth (mm)	3	3
extent of damage of vertical component	Width (mm)	14	16
	Depth (mm)	2	2
TEST RESULT	Ignition/ Non Ignition	NON IGNITION	NON IGNITION

TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION

The above test result relate only to the ignitability of the combination of upholstery composites (Clause 11) under the particular conditions of test.

They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.