

Investigation report

SAHCO GmbH
Frau Sarah Kemmerer

Kreuzburger Str. 17-19

DE 90471 Nürnberg

contact Erik Radl
department Laboratori
phone +49 (0) 5206/9107 -52
fax +49 (0) 5206/9107 -34
e-mail erik.radl@delcotex.de
date 24.11.2021

investigation report No. 21/4404

order description: Assessment of the ignitability of upholstered furniture – cigarette test – according to DIN EN 1021-1 (2014-10)
Assessment of the ignitability of upholstered furniture – match flame test – according to DIN EN 1021-2 (2014-10)
Assessment of the ignitability of upholstered furniture – cigarette test – according to BS 5852 source 0 (2006-03) - Clause 11
in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11
The Furniture and Furnishings (Fire) (Safety) Regulations 1988
ACC. TO SHEDULE 4 PART I CIGARETTE TEST FOR INVISIBLE PARTS
Assessment of the ignitability of upholstered furniture – match flame test according to BS 5852 source 1 (2006-03) – 20 sec. – Clause 11
in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11
The Furniture and Furnishings (Fire) (Safety) Regulations 1988
ACC. TO SHEDULE 5 PART I CIGARETTE TEST FOR INVISIBLE PARTS

test samples: "art. 600725, Elle 0230, with Backing"
sampling: by the client
orderer: see address
date of order: 08.11.2021
receipt of order: 12.11.2021
date of testing: 22.11.2021

Remark: The results are valid only for the tested object. The accreditation applies for the methods listed in the annex to the certificate D-PL-17323-01-00. Accredited test methods are underlined. The valuations and Interpretations in the investigation report are not subject to accreditation. Tests conducted through co-operation partners are marked with °. All information provided by the customer, which is taken over unchecked and thus reflected in the examination report, are placed in quotation marks on the first page of the investigation report. The content of this investigation report will not be passed to third persons without written approval of the orderer. The partial publication of the test report, as well as the usage for commercial process, is only allowed with a permission of the DELCOTEX Delius Techtex GmbH & Co. KG. Remnants of test material will be destroyed after 3 months. Previously stated specifications / data sheets / certificates are only characters and no warranties. Also no warranty in case of durability will be overtaken. Finally our general delivery and payment conditions are valid (please see www.textillabor.eu).

Investigation report No. 21/4404

instructions for performing

method: Assessment of the ignitability of upholstered furniture – cigarette test – according to DIN EN 1021-1 (2014-10)

measuring conditions:

test temperature: 20 +/- 2 °C
test humidity: 65 +/- 4 %
room temperature: 22,1°C
watersoak: no
foam: normal flammability foam 22-24 kg/m³

test results

"art. 600725, Elle 0230, with Backing"

Smouldering criteria:	cigarette 1	cigarette 2	cigarette 3
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
In final examination, presence of active smouldering	no	no	no
Flaming criteria:			
Occurrence of flames	no	no	no
Cigarette behaviour:			
self-extinguishment of cigarette	yes	yes	yes
Burning time (min.:sec.)	11:12	02:59	05:54

Enter „Yes“ if criteria exceeded or “No” if criteria not exceeded

Result:	no ignition
----------------	--------------------

Investigation report No. 21/4404

instructions for performing

method: Assessment of the ignitability of upholstered furniture – match flame test – according to DIN EN 1021-2 (2014-10)

measuring conditions:

test temperature: 20 +/- 2 °C
test humidity: 65 +/- 4 %
room temperature: 21,9°C
watersoak: no
foam: normal flammability foam 22-24 kg/m³

test results

"art. 600725, Elle 0230, with Backing"

Smouldering criteria:	Test 1	Test 2	Test 3
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
In the 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 longer than 120sec.	no	no	no

Enter „Yes“ if criteria exceeded or “No” if criteria not exceeded

Result:	no ignition
----------------	--------------------

Investigation report No. 21/4404

instructions for performing

method: Assessment of the ignitability of upholstered furniture – cigarette test – according to BS 5852 source 0 (2006-03) - Clause 11
 in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11
 The Furniture and Furnishings (Fire) (Safety) Regulations 1988
 ACC. TO SCHEDULE 4 PART I CIGARETTE TEST FOR INVISIBLE PARTS

measuring conditions:

test temperature: 20 +/- 2 °C
test humidity: 65 +/- 4 %
room temperature: 19,4°C
watersoak: no
foam: normal flammability foam 22 kg/m³

test results

"art. 600725, Elle 0230, with Backing"

Smouldering criteria:	Cigarette 1	Cigarette 2
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
In the 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
Occurrence of flames	no	no
Cigarette behaviour:		
self-extinguishment of cigarette	yes	yes
Burning time [min:sec]	06:06	26:59
Beschädigter Bereich - Extent of damage		
Vertical component width/depth (mm)	15/2	60/3
Horizontal component length/width/depth (mm)	9/17/2	15/60/3

Enter „Yes“ if criteria exceeded or “No” if criteria not exceeded

Result:	no ignition NIO
----------------	------------------------

Investigation report No. 21/4404

instructions for performing

method: Assessment of the ignitability of upholstered furniture – match flame test according to BS 5852 source 1 (2006-03) – 20 sec. – Clause 11
 in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11
 The Furniture and Furnishings (Fire) (Safety) Regulations 1988
 ACC. TO SCHEDULE 5 PART I CIGARETTE TEST FOR INVISIBLE PARTS

measuring conditions:

test temperature: 20 +/- 2 °C
test humidity: 65 +/- 4 %
room temperature: 22,2°C
watersoak: yes
foam: normal flammability foam 22 kg/m³

test results

"art. 600725, Elle 0230, with Backing"

	Versuch 1 Test 1	Versuch 2 Test 2	Versuch 2 Test 2
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
In the final examination, presence of active smouldering	no	no	no
Flaming criteria:	no	no	no
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 longer than 120 sec	no	no	no
Duration of Ignition source [min:sec]	0:00	0:00	0:00
Duration of flames [min:sec]	0:17	0:05	0:04
Duration of smoke [min:sec]	0:04	0:04	0:02
Extent of damage			
Vertical component width/depth (mm)	25/1	25/1	28/1
Horizontal component length/width/depth (mm)	13/23/1	10/23/1	11/25/1

Enter „Yes“ if criteria exceeded or “No“ if criteria not exceeded

Result:	no ignition NI1
----------------	------------------------

Investigation report No. 21/4404

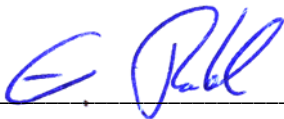
test results

"art. 600725, Elle 0230, with Backing"

weight: 653,3 g/m², thickness: 2,98 mm

Remark:

The above test results relate only to the ignitability of the combination of materials under the particular condition of the test; they are not intended as a means of assessing the full potential fire hazard of the materials in use

A handwritten signature in blue ink, appearing to read "E. Radl", written over a horizontal line.

i.A. Erik Radl

Laboratory

DELCOTEX Delius Techtex GmbH & Co. KG

Only the information in the signed test report is considered as binding.

Investigation report No. 21/4404

attachment

"art. 600725, Elle 0230, with Backing"

assessment of the ignitability of upholstered furniture – cigarette test –
according to DIN EN 1021-1 (2014-10)



Assessment of the ignitability of upholstered furniture – match flame test –
according to DIN EN 1021-2 (2014-10)



Investigation report No. 21/4404

attachment

"art. 600725, Elle 0230, with Backing"

Assessment of the ignitability of upholstered furniture – cigarette test – according to BS 5852 source 0 (2006-03) - Clause 11



Assessment of the ignitability of upholstered furniture – match flame test according to BS 5852 source 1 (2006-03) – 20 sec. – Clause 11

