

Investigation report

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investigation report No. 21/2229

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 seating by smouldering and flaming ignition sources according to BS 5852 (2006-03) - Clause 11 ignition source 5, crib 5

test samples: "art. 600689, Avalon 2 0001"

sampling: by the client

orderer: see address

date of order: 27.05.2021

receipt of order: 02.06.2021

date of testing: 10.06.2021

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).

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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: 23,9°C
watersoak: no
foam: normal flammability foam 22-24 kg/m³

test results

"art. 600689, Avalon 2 0001"

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.)	03:46	19:24	21:11

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

Result:	no ignition
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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: 23,6°C
watersoak: no
foam: normal flammability foam 22-24 kg/m³

test results

"art. 600689, Avalon 2 0001"

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
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instructions for performing

method: Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources according to BS 5852 (2006-03) - Clause 11 ignition source 5, crib 5

measuring conditions:

test temperature: 20 +/- 2 °C
test humidity: 65 +/- 4 %
room temperature: 24,0°C
watersoak: no
foam: fire retardant treated foam (C5760 B1 weiß) ca. 56 kg/m³

test results

"art. 600689, Avalon 2 0001"

Smouldering criteria:	Test 1	Test 2
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 100mm	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
Flames longer than 10min	no	no
Flaming debris	no	no
Duration of Ignition source [min:sec]	-	-
Duration of flames [min:sec]	06:55	08:40
Duration of smoke [min:sec]	07:12	09:04
Extent of damage		
Vertical component width/thickness [mm]	95/44	112/50
Horizontal component length/width/thickness [mm]	100/105/39	105/121/40

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

Result:	no ignition NI5
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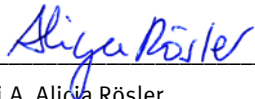
test results

article: "art. 600689, Avalon 2 0001"

weight: 488,96 g/m², thickness: 1,662 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



i.A. Alicia Rösler

Laboratory

DELCOTEX Delius Techtex GmbH & Co. KG

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

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attachment

"art. 600689, Avalon 2 0001"

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)



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attachment

"art. 600689, Avalon 2 0001"

Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources according to BS 5852 (2006-03) - Clause 11 ignition source 5, crib 5

