Test Report

Report Number: 188564-1-PMI



INSTITUTE

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Encl.: 2

Assignor: KVADRAT A/S, Lundbergsvej 10, DK-8400 Ebeltoft

Item: Combination of upholstered material tested designated: Avalon, 004

Detailed information is given in enclosure A.

Sampling: The assignor confirms having selected the product. The product was forwarded by the

assignor and received at Danish Technological Institute on 27 March 2023.

Period: The test took place from 28 March 2023 to 30 March 2023.

Method: DS EN 1021-1:2014 Furniture-Assesment of the ignitability of upholstered furniture-Part 1:

Ignition source of smouldering cigarette

Test results: According to the criteria of ignition described in EN 1021-1, chapter 3, the result is:

Non-ignition > PASSES

The results are shown in enclosure A.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC

17025:2017) and in accordance with the General Terms and Conditions of Danish

Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Danish Technological Institute, Taastrup, Environmental Technology

Signature: This document is only valid with a digital signature from Danish Technological Institute. The

date of issue appears from the digital signature.

Charlotte Fischer Senior Consultant





Materials

Item: Combination of upholstered material tested designated: Avalon, 004

Combination of upholstered material tested:

Cover:

Designated: Avalon, 0004 Fibre content: 100% Trevira CS Approximate mass per area: 470 g/m²

Filling: Non flame-retardant polyurethane foam designated, RP 25145.

Approximate density: 22 kg/m³

(Foam was provided by the test laboratory.)

Results

Test method: DS EN 1021-1:2014
Ignition source: Smouldering cigarette

Water soaking: Before testing the sample was not subjected to the water soaking and drying

procedure described in EN 1021-1, annex D.

Conditioning atmosphere: 23±2 °C / 50±5 % RH

Test result: Non-ignition > PASSES

	Cigarette Test No.		
Smouldering criteria	1	2	3
Unsafe escalating combustion (3.1.a)	No	No	No
Test assembly largely consumed (3.1.b)	No	No	No
Smoulders to extremities (3.1.c)	No	No	No
Smoulders through thickness (3.1.c)	No	No	No
Smoulders for more than 1 hour (3.1.d)	No	No	No
In final examination, presence of progressive smouldering (3.1.e)	No	No	No
Flaming criteria			
Occurrence of flames (3.2)	No	No	No
Self-extinguishing of the cigarettes before smouldering entire length	No	No	No

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 materials in use.



Photos

Test of: Combination of upholstered material tested designated: Avalon, 004



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Test Report

Report Number: 188564-4-PMI



DANISH TECHNOLOGICAL

INSTITUTE

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er no.: 188564 Encl.: 2

Assignor: KVADRAT A/S, Lundbergsvej 10, DK-8400 Ebeltoft

Item: Combination of upholstered material tested designated: Avalon, 0004

Detailed information is given in enclosure A.

Sampling: The assignor confirms having selected the product. The product was forwarded by the

assignor and received at Danish Technological Institute on 27 March 2023.

Period: The test took place from 28 March 2023 to 30 March 2023.

Method: DS EN 1021-2:2014 Furniture- Assessment of the ignitability of upholstered funiture- Part 2:

Ignition source match flame equivalent

Test results: According to the criteria of ignition described in EN 1021-2, chapter 3, the result is:

Non-ignition > PASSES

The results are shown in enclosure A.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC

17025:2017) and in accordance with the General Terms and Conditions of Danish

Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Danish Technological Institute, Taastrup, Environmental Technology

Signature: This document is only valid with a digital signature from Danish Technological Institute. The

date of issue appears from the digital signature.

Charlotte Fischer Senior Consultant









Materials

Item: Combination of upholstered material tested designated: Avalon, 0004

Combination of upholstered material tested:

Cover:

Designated: Avalon, 0004 Fibre content: 100% Trevira CS Approximate mass per area: 470 g/m²

Filling: Flame-retardant CMHR foam designated: CMHR 3538/RG35150.

Approximate density: 35 kg/m³

(Foam was provided by the test laboratory.)

Results

Test method: DS EN 1021-2:2014 Ignition source: Match flame equivalent

Water soaking: Before testing the sample was not subjected to the water soaking and drying

procedure described in EN 1021-2, annex D.

Conditioning atmosphere: 23±2 °C / 50±5 % RH

Test result: Non-ignition > PASSES

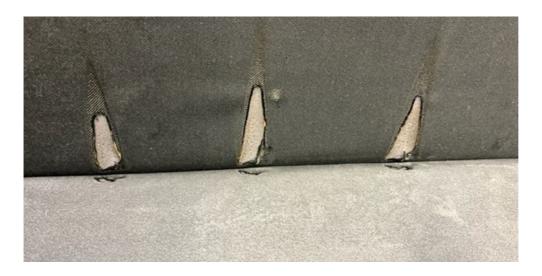
		Test No.		
Smouldering criteria	1	2	3	
Unsafe escalating combustion (3.1.a)	No	No	No	
Test assembly consumed (3.1.b)	No	No	No	
Smoulders to extremities (3.1.c)	No	No	No	
Smoulders through thickness (3.1.c)	No	No	No	
Smoulders for more than 1 hour (3.1.d)	No	No	No	
In final examination, presence of progressive smouldering (3.1.e)	No	No	No	
Flaming criteria				
Unsafe escalating combustion (3.2.a)	No	No	No	
Test assembly consumed (3.2.b)	No	No	No	
Flaming to extremities (3.2.c)	No	No	No	
Flaming through thickness (3.2.c)	No	No	No	
Flames longer than 120 s (3.2.d)	No	No	No	

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 materials in use.



Photos

Test of: Combination of upholstered material tested designated: Avalon, 0004



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