



DANISH
TECHNOLOGICAL
INSTITUTE

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Report no. A1217488/400549-1
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Date 22 September 2010
Initials chf/ldkr/hbs

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Test Report

Material: Combination of upholstered material tested:

Cover: Sample of beige upholstery fabric designated: Waterborn, 85% polyester/15%polyurethan. Approximate mass per unit area: 387 g/m²
Filling: Flame retarded polyurethane foam, designated: CME38165
Approx. density 38 kg/m³

The foam is delivered by the Institute.

Sampling: The material was submitted by the assignor and received at Danish Technological Institute 14 September 2010.

Method: Testing of ignitability according to EN 1021-1:2006, Furniture - Assessment of ignitability of upholstered furniture - Part 1: Ignition source: Smouldering cigarette.

Details of the test are given on page 2 in this report.

Period: The testing was completed 22 September 2010.

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

EN 1021-1: Non-ignition > PASS

Terms: The test has been performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

22-09-2010, Danish Technological Institute, Textile

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Material under test: Combination of upholstered material tested:

Cover: Sample of beige upholstery fabric designated: Waterborn, 85% polyester/15%polyurethan. Approximate mass per unit area: 387 g/m²
Filling: Flame retarded polyurethane foam, designated: CME38165
 Approx. density 38 kg/m³

Results, continued: The 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.

Test method: EN 1021-1:2006.

Ignition source: Smouldering cigarette.

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

Test result: Non-ignition > PASS

Smouldering criteria	Cigarette	
	Test 1	Test 2
Unsafe escalating combustion (3.1.a)	No	No
Test assembly largely consumed (3.1.b)	No	No
Smoulders to extremities (3.1.c)	No	No
Smoulders through thickness (3.1.c)	No	No
Smoulders more than 1 hour (3.1.d)	No	No
Active smouldering on final examination (3.1.e)	No	No
Flaming criteria		
Any flames initiated by smouldering source (3.2)	No	No

Comments: The sample was NOT before testing subjected to the water soaking and drying procedure described in EN 1021-1, annex D.