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Test Report

Report No.: A 870991-4

Assignor: Kvadrat A/S
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Initials CHF/LeIn
Order no.: 870991
No. of appendix: 1

Subject: Combination of upholstered material tested:
Cover: Sample of fabric, designated: Relay by Maharam (as per info from the assigner)
Fibre composition: 100% polyester (as per info from the assigner).
Approximate mass per area unit: 888 g/m²
Filling: Non flame-retardant polyurethane foam designated, CME 38165
Approximate density: 35 kg/m³. (The foam is delivered by Danish Technological Institute).

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 6 May 2019.

Method: Testing of ignitability according to EN 1021-1:2014, 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 9 May 2019.

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

Non-ignition > PASS

Storage: The test material will be destroyed after 3 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute, which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

Date/place: 10 May 2019, Danish Technological Institute, Textile, Taastrup

Signature: Test responsible

Co-signatory



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**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 1021-1:2014.
Ignition source: Smouldering cigarette.
Conditioning atmosphere: 23±2 °C / 50±5 % RH.

Test result: Non-ignition > PASS

Smouldering criteria	Cigarette		
	Test 1	Test 2	Test 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) Smoulders more than 1 hour (3.1.d)	No	No	No
Progressive smouldering on final examination (3.1.e)	No	No	No
Flaming criteria			
Any flames initiated by smouldering source (3.2)	No	No	No
Self-extinguishing of the cigarettes before smouldering entire length	Yes	Yes	Yes

Comments:

Before testing the sample was **not** subjected to the water soaking and drying procedure described in EN 1021-1, annex D.

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