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LAB N° 0045 L

Annex n. 1F to test report n. 2300045-001

## DETAILS OF TEST RESULTS

Test executed according to TB 117:2013

**Requirements, Test procedure and Apparatus for testing the Smolder Resistance of Materials used in Upholstered Furniture**

Sample description: **FR650**

Declared composition: **100% polyester**

Conditioning of test specimen and ignition source (SRM 1196 cigarette): **24 h at 21 ± 3°C, <55% r.h.**

Testing temperature and r.h.: **16°C, 56% r.h.**

Filling specification: **NON FIRE-RETARDANT polyurethane foam with a density of 28 kg/m<sup>3</sup>**

Date of test: **05.01.2023**

**Type of fabric: COVER FABRIC**

Specimen number	1	2	3
Total combustion of the cigarette (YES / NO)	YES	YES	YES
Time of progressive smouldering from placement of the source (min)	29	30	31
Size of the damage (mm)	22	24	25
Mock-up test specimen transitions to open flaming (YES / NO)	NO	NO	NO
<b>CIGARETTE TEST RESULT (PASS/FAIL)</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

### **Cover Fabric Classification (ref. TB 117:2013)**

A single mock-up test specimen fails to meet the requirements if any of the following criteria occurs:

- The mock-up test specimen continues to smolder after the 45 minute test duration;
- A char in any direction more than 45 mm develops on the cover fabric
- The mock-up test specimen transitions to open flaming.

- The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their full length and the mock-ups are no longer smoldering.
- If more than one initial specimen fails, the cover fabric fails the test.
- If any one of the three initial specimens fails, repeat the test on additional three specimens.
- If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

*The following test result 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 material in use.*

*Upholstery cover fabrics that fail the cover fabric test described in Section 1 can be used in upholstered furniture if a barrier (interliner) material that passes the test method described in Section 2 is used. When a barrier is required, the barrier material must cover all sides and top of the seating cushion(s). Exceptions: Non-reversible and non-detachable seating cushions do not require the use of the barrier material on the underside of the seating cushion.*

*The probability that the criteria represent the truth observation is equal to 95%.*

The Laboratory Manager  
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