

## TEST REPORT

Report nr.: **2000444-001**

Report date: **24-gen-20**

Acceptance code: **2000444**

Acceptance date: **22-gen-20**

Start test date: **22-gen-20**

End test date: **24-gen-20**

References: **---**

Customer code: 5485

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To the attention of:

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Sampling by customer

Article description:

**DUNE**

Declared composition:

**35% CO - 25% PC - 18% PL - 13% VI - 9% WO**

End use:

**Furnishing**

Typology:

**Fabric**

Return:

**No requested**

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TEST	M.U.	RESULTS
<b>15066 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE</b>		
<b>Method:</b>	TB 117: 2013	
<b>Instrument:</b>	Mock-up Tester	
Test executed on:		COVER FABRIC
Ignition source applied:		
SMOULDERING CIGARETTE		
Materials of test assembly:		
Upholstery filling: NON fire retardant polyurethane foam with a density of 28 kg/m³		
Inner cover: -		
Outer cover: SEE ARTICLE DESCRIPTION		
<b>TEST RESULT:</b>		<b>SAMPLE PASSES THE TEST</b>

Note: to assess the ignitability of this sample, the test has been carried out using a NON fire-retardant polyurethane foam with a density of 28 kg/m³ as filling of the upholstered seating. The test result could be different using another type of filling material.

Annex n.:

1F

Details of the test results related to each specimen can be seen in the annex of this test report.

(\*) = the tests marked with asterisk are not accredited by Accredia.



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LAB N° 0045 L

Report nr.

**2000444-001**

**TEST**

**M.U.**

**RESULTS**

**END OF TEST REPORT**

**Technical Head**

Enrica Baldini

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**Annex n. 1F to test report n. 2000444-001**

## 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: **DUNE**

Declared composition: **35% CO - 25% PC - 18% PL - 13% VI - 9% WO**

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

Testing temperature and r.h.: **18°C, 46% r.h.**

Filling specification: **NON FIRE-RETARDANT polyurethane foam with a density of 28 kg/m³**

Date of test: **24.01.2020**

**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)	30	31	28
Size of the damage (mm)	25	28	24
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 true observation is equal to 95%.

The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor  $k = 2$ , which for a normal distribution leads to a confidence level of approximately 95%.

**Technical Head**

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