

Our Ref: SW/LAS/RM

06 July 2022

**Report 392904**

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DATE RECEIVED	:	10 JUNE 2022
DATE TESTED	:	06 JULY 2022
QUALITY REFERENCE	:	SI 0243/171IG
REPUTED FIBRE CONTENT	:	87% PVC, 8% PES, 5% CO
COLOUR / DESIGN	:	GREEN
FABRIC DESCRIPTION	:	COATED
END USE	:	UPHOLSTERY, LIGHT DOMESTIC

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REQUEST: Flammability in accordance with California Technical Bulletin 117:2013 Section 1  
(Cover fabric)

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RESULT: The sample of cover fabric complies with the flammability performance requirements  
of California Technical Bulletin 117:2013 Section 1

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**CALIFORNIA TECHNICAL BULLETIN 117-2013 - SECTION 1 Cover fabric test Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture**

A sample of cover fabric described was wrapped around a polyurethane foam infill of density of approximately 20-22 kg/m<sup>3</sup> and tested in accordance with ASTM E1353-08 as modified by TB117. The cigarettes used were the Standard Reference Cigarettes SRM1196 as supplied by NIST.

**Requirements**

1. A test specimen is considered to fail the requirements of this test if any of the following criteria occurs:
  - (a) The mock-up continues to smolder after the 45 minute test duration
  - (b) A vertical char length of more than 1.8 inches (45mm) develops on the cover fabric
  - (c) The mock-up specimen transitions to open flaming
2. The cover fabric passes the test if three initial mock-up specimens pass the test.
3. If more than one initial specimen fails then the cover fabric fails the test.
4. If any one of the three initial specimens fails, repeat the test on three additional specimens.
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the three additional specimens fails the test, the cover fabric fails the test.

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**Conditioning:** Samples were conditioned for a minimum of 24 hours prior to testing in an atmosphere having a temperature of  $21 \pm 3$  °C and a relative humidity of less than 55%.

**Test environment:** The test was carried out in a room having as volume greater than 20 m<sup>3</sup> and with an airflow of between 0.02 m/s and 0.2 m/s in the vicinity of the test specimen.

**Test results**

	Specimen 1	Specimen 2	Specimen 3
Duration of smolder, min/secs	SE	SE	SE
Vertical char length exceeds 1.8" (45mm)?	No	No	No
Specimen transitions to open flaming?	No	No	No
Result	Pass	Pass	Pass
Overall result	Pass		

SE: Cigarette self-extinguished before burning it's full length

**Comments**

The sample of cover fabric complies with the flammability performance requirements of California Technical Bulletin 117:2013 Section 1.

**Decision rules**

The decision rule applicable to statements of conformity relating to the test(s) carried out is simple acceptance based on the measured test results not falling within a range either side of a specified limit that is equal to the uncertainty of measurement for the parameter measured (based on 95% confidence levels). In all other regards, the decision rule is based on simple acceptance predicated upon the conditions of testing falling within the criteria for test set out in the test method with a conformance probability of 95%. The risk of false accept or false reject is therefore not greater than 2.5%.

Uncertainty of measurement: Timings  $\pm 0.4s$   
Dimensions  $\pm 0.5mm$

