

Our Ref: LAS/RM

03 May 2022

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Monteiro, Ribas-Revestimentos SA  
Estrada Ext. da Circunvalacao, 9020  
4202-351 Porto  
Portugal

Contact: Patricia Caetano

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DATE RECEIVED	:	20 APRIL 2022
DATE TESTED	:	03 MAY 2022
QUALITY REFERENCE	:	SI 1248/02IG
REPUTED FIBRE CONTENT	:	PVC – 88% + PA – 12%
COLOUR / DESIGN	:	BLACK
FABRIC DESCRIPTION	:	WOVEN
END USE	:	UPHOLSTERY

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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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**R. MASKILL**  
**FLAMMABILITY TECHNOLOGIST**



**L. SMITH**  
**QUALITY COORDINATOR**

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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.

**Conditioning:**

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

**Test environment:**

The test was carried out in a room having a 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 6/52	SE 3/51	SE 2/27
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.

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**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	$\pm 0.5mm$

