

TEST REPORT NO: 152757

Date: 8 April 2019

**FIDIVI TESSITURA VERGNANO S.P.A
REGIONE MASIO 19 BIS
10046 POIRINP (TORINO)
ITALY**

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Retailer	Not Specified
Description of article	ONE - GREY FABRIC
Retailer style number	GREY
Retailer Standard Number	UNKNOWN
Order No./ Buyer	MARCO FULLIN
Quality/Fibre Composition	100% POLYESTER
Date Sample(s) Received:	25 March 2019

Tests	Pass	Fail	Remarks
BS7176 Medium Hazard	X		

Signature



Lucy Peberdy Technologist

For and on behalf of
SGS United Kingdom Ltd

All samples are conditioned to ISO 139 where conditioning is required (unless otherwise stated)

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Customer: FIDIVI TESSITURA
VERGNANO S.P.A

Test Report No: 152757

Test Results
BS 7176: 2007 + A1: 2011

Specification for resistance to ignition of upholstered furniture for non – domestic seating by testing composites

Description of Test Sample: Grey Fabric

Test Requested

The test specimen has been tested to BS 7176: 2007 + A1: 2011 Medium Hazard using BS EN 1021-1:2006 Smouldering Cigarette, BS EN 1021-2: 2006 Match Flame and BS 5852: 2006, Clause 11, Ignition source 5.

Pre – Treatment

The test specimen was subject to a water soak procedure as outlined in BS 5852, Annex E and then line dried.

Conditioning

The materials and cigarettes for BS EN 1021 – 1 and 2 were conditioned for 24 hours in an atmosphere of 23± 2°C and 50± 5% r.h.

The materials and cribs for BS 5852 ignition source 5 were conditioned for at least 72 hours in an indoor ambient temperature and then immediately before the test 24 hours in an atmosphere of 23± 2°C and 50± 5% r.h.

Comments on Test Results

The test specimen supplied meets the requirements of BS 7176: 2007 Medium Hazard.

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Test Results

Ignition source Smouldering Cigarette

	Criteria of ignition	Cigarette 1	Cigarette 2
Progressive smouldering ignition	Clause 3.1a	No	No
	Clause 3.1b	No	No
	Clause 3.1c	No	No
	Clause 3.1d	No	No
	Clause 3.1e	No	No
Flaming Ignition	Occurrence of flames	No	No
	Ignition occurring	Non – ignition	Non - ignition

Smouldering criteria of Ignition

- Clause 3.1a – Test assembly displays escalating combustion behaviour so that it is unsafe to continue
- Clause 3.1b – Test assembly that smoulders until it is largely consumed
- Clause 3.1c – Test assembly that smoulders to the extremities within the test duration
- Clause 3.1d – Test assembly that smoulders after one hour from application of the ignition source
- Clause 3.1e – Test assembly on final examination shows evidence of progressive smouldering

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Customer:

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VERGNANO S.P.A

Test Report No:

152757

Test Results

Ignition source Match Flame

	Criteria of Ignition	Match Flame 1	Match Flame 2
Progressive smouldering ignition	Clause 3.1a	No	No
	Clause 3.1b	No	No
	Clause 3.1c	No	No
	Clause 3.1d	No	No
	Clause 3.1e	No	No
Flaming Ignition	Clause 3.2a	No	No
	Clause 3.2b	No	No
	Clause 3.2c	No	No
	Clause 3.2d	No	No
	Ignition occurring	Non – ignition	Non - ignition

The test specimen was tested over Combustion modified foam (CMHR) with a density of 35kg/m³.

Flaming Ignition

Clause 3.2a – Test assembly displays escalating combustion behaviour so that it is unsafe to continue

Clause 3.2b – Test assembly burns until it is essentially consumed

Clause 3.2c – Flame reaches the lower margin, either side or passed through the full thickness

Clause 3.2d – Flaming continues for more than 120 seconds after removal of burner tube

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Customer: FIDIVI TESSITURA VERGNANO S.P.A **Test Report No:** 152757

Test Results

Ignition Source 5

“The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852:2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use”

	Criteria of Ignition	Crib 5 Test 1	Crib 5 Test 2
Progressive smouldering	Clause 4.1.1 a	No	No
	Clause 4.1.1 c	No	No
	Clause 4.1.1 e	No	No
	Clause 4.1.1 f	No	No
Flaming Ignition	Clause 4.2.1 a	No	No
	Clause 4.2.1 b	No	No
	Clause 4.2.1 c	No	No
	Clause 4.2.1 e	No	No
	Clause 4.2.1 g	No	No
Ignition occurring		Non – Ignition	Non - Ignition

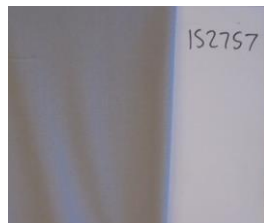
Criteria of Ignition Smouldering Ignition

- Clause 4.1.1 (a) Test specimen displays escalating smouldering combustion behaviour so that it is unsafe to continue and requires forcible extinction.
- Clause 4.1.1 (c) Test specimen smoulders until it is essentially consumed or smoulders to the extremities.
- Clause 4.1.1 (e) Test specimen produces externally detectable amounts of smoke, heat or glowing 60 min after ignition of the crib.
- Clause 4.1.1 (f) Test specimen shows evidence of charring within the filling more than 100 mm in any direction apart from upwards.

Flaming Ignition

- Clause 4.2.1 (a) Test specimen displays escalating flaming combustion behaviour and requires forcible extinction.
- Clause 4.2.1 (b) Test specimen that burns until it is essentially consumed within the test duration.
- Clause 4.2.1 (c) Test specimen on which any flame front reaches the extremities of the test specimen other than the top of the vertical part, or passes through the full thickness of the specimen within the test duration.
- Clause 4.2.1 (e) Test specimen continues to flame for more than 10 minutes.
- Clause 4.2.1 (g) Test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer than 10 minutes.

End of Report



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