

TEST REPORT NO:080246

Date:05 July 2013

**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	Green Woven Fabric
Retailer style number	Unknown
Retailer Standard Number	Unknown
Order No./ Buyer	CLASS
Quality/Fibre Composition	100% Polyester Trevira CS
Date Sample(s) Received:	27 June 2013

**Test**

BS7176 Meduim Hazard

**Remarks**

Tests as requested by the customer

Signature

For and on behalf of  
SGS Leicester 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:** 080246

### Test Request

The sample supplied is a woven fabric and has been tested to BS 7176:2007 using EN 1021-1-2:2006 Smouldering Cigarette and Match and BS 5852:2006 Ignition Source 5 (Medium hazard).

### Fibre Identification

Reputed Fibre Composition 100% Polyester Trevira CS

### Pre Treatment:

The sample for Cigarette and Match was cleansed using a water-soak procedure at  $40\pm 1^{\circ}\text{C}$  as described in BS EN 1021-1-2:2006 Annex D and then line dried.

The sample for Ignition source 5 was cleansed using a water-soak procedure at  $40\pm 1^{\circ}\text{C}$  as described in BS 5852:2006, Annex E and then line dried.

### Conditioning:

The sample for Cigarette and Match was conditioned at ambient conditions, followed by conditioning in a standard atmosphere having a temperature of  $23\pm 2^{\circ}\text{C}$  and a relative humidity of  $50\pm 5\%$  r.h for a minimum of 24 hours.

The sample for Ignition Source 5 was conditioned at ambient conditions for 72 hours and then in a standard atmosphere having a temperature of  $23\pm 2^{\circ}\text{C}$  and a relative humidity of  $50\pm 5\%$  r.h for a minimum of 24 hours.

### Comments on the Results

The fabric sample supplied meets the requirements of BS EN 1021-1-2:2006 Smouldering Cigarette and Match test, BS 5852:2006 Ignition Source 5 and can be classified as 'Medium Hazard'.

### Results

*'The following test results relate only to the ignitability of the combination of materials under the particular conditions of the test, they are not intended as a means of assessing the full potential fire hazard of the materials in use.'*

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**Cigarette Test**

*Pass Criteria*

*When two samples are tested no progressive smouldering or flaming is to be observed within 1 hour of placement of the cigarette. If the cigarette fails to smoulder to its complete length, the test is repeated in a new position not less than 50mm from the previous damage. No progressive smouldering is to be present in the final examination.*

Specimen Number	Cigarette Ignition	
	1	2
Smouldering Time of the Cigarette	24 mins 14 secs	22 mins 11 secs
Smouldering	NPS	NPS
Flaming	N	N
Smoking	N	N
Afterglow	N	N
Cover Split	Y	Y
Final Examination	P	P

**Match Test:**

*Pass Criteria: ~ Disregard flaming or progressive smouldering which ceases within 120seconds of the removal of the burner tube.*

Match Test						
Specimen Number	1	Time	2	Time	3	Time
Smouldering	N	-	N	-	N	-
Flaming	N	-	N	-	N	-
Smoking	Y	8 secs	Y	9 secs	Y	12 secs
Afterglow	N	-	N	-	N	-
Cover split	Y	-	Y	-	Y	-
Final Examination	P		P		P	

**Ignition Source 5**

*Pass Criteria: ~ Disregard flaming which ceases within 10 minutes and smoke, heat or glowing which ceases within 60minutes of igniting the crib.*

*No smouldering is to be present in the final examination*

Specimen Number	1	Time	2	Time
Smoking	Y	7 mins 49 secs	Y	8 mins 9 secs
Smouldering	N	-	N	-
Flaming	Y	4 mins 17 secs	Y	4 mins 52 secs
Afterglow	N	-	N	-
Damage exceeds limits of clauses 4.1(e) 4.1(f) or 4.2(f)	N	-	N	-
Final Examination	P		P	

Please note that the fabric sample was tested over combustion-modified foam with a density of 35kg per M<sup>3</sup>.

Key: Y=Yes N=No P=Pass F=Fails N/A= Not Applicable.

**\*End of Report\***

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