

TEST REPORT NO:114324A (replaces 114324)

Date:26 April 2016

**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    | ALBA           |
| Retailer style number     | Unknown        |
| Retailer Standard Number  | Unknown        |
| Order No./ Buyer          | ALESSANDRO     |
| Quality/Fibre Composition | 100% Polyester |
| Date Sample(s) Received:  | 20 April 2016  |

**Test**

BS7176 Medium 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:** 114324A (replaces 114324)

### **BS 7176:2007 + A1:2011**

#### **Test Request**

The sample supplied is a plain weave and has been tested to BS 7176:2007 + A1:2011 using BS 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

#### **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.*

|                                   | Cigarette Ignition |               |
|-----------------------------------|--------------------|---------------|
| Specimen Number                   | 1                  | 2             |
| Smouldering Time of the Cigarette | 23mins 18secs      | 23mins 39secs |
| 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          | 10secs | Y        | 11secs | Y        | 8secs |
| Afterglow         | N          | -      | N        | -      | N        | -     |
| Cover split       | Y          | -      | Y        | -      | Y        | -     |
| Final Examination | <b>P</b>   | -      | <b>P</b> | -      | <b>P</b> | -     |

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**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 | 5mins 18secs | Y | 4mins 53secs |
| Smouldering  | N | -            | N | -            |
| Flaming  | Y | 3mins 55secs | Y | 3mins 33secs |
| 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=Fail      N/A= Not Applicable.

**\*End of Report\***

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