

TEST REPORT NO:078630A (replaces 078630)

Date:17 May 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	Maya Woven Fabric
Retailer style number	Unknown
Retailer Standard Number	BS7176
Order No./ Buyer	ALESSANDRO
Quality/Fibre Composition	100% Polyester Trevira CS
Date Sample(s) Received:	10 May 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:** 078630A (replaces 078630)

BS 7176:1996

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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BS 7176:1996

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	19mins 42 secs	20mins 37secs
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	9secs	Y	7secs	Y	11secs
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	7mins 19secs	Y	7mins 40secs
Smouldering	N	-	N	-
Flaming	Y	3mins 42secs	Y	4mins 6secs
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 M³.

Key:

Y=Yes N=No P=Pass F=Fail N/A=Not applicable

End of Report

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