

TEST REPORT NO:072785

Date:19 October 2012

**PUGI RG SRL**  
**VIA GARIBALDI 33/B**  
**51037 MONTALE PISTOIA**  
**ITALY**

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

Retailer	Not Specified
Description of article	Red Velvet Jersey
Retailer style number	Unknown
Retailer Standard Number	BS5852
Order No./ Buyer	GEMMA-VEL
Quality/Fibre Composition	100% PL FR
Date Sample(s) Received:	12 October 2012

#### Test

BS EN 1021-1 Ignition Source 0 (Cigarette) Incl water soak  
BS EN 1021-2 Ignition Source 1 (Match) Incl water soak  
BS5852 Annex E, Water soak (Crib 5)

#### Remarks

Tests as requested by the customer  
Signature

For and on behalf of  
SGS Leicester Ltd.

All samples are conditioned to ISO 139

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**Customer:** Pugi RG Srl **Test Report No:** 072785

**Test Request**

The sample supplied is a knitted fabric and has been tested to EN 1021-1-2:2006, Smouldering Cigarette and Match Ignition.

**Fibre Identification:**

Reputed Fibre Composition. 100% PL FR

**Pre-Treatment:**

The sample was cleansed using a water-soak procedure at 40°C ± 1°C as described in Annex D and lined dried.

**Conditioning:**

The sample was conditioned at ambient indoor conditions for a minimum of 72 hours followed by conditioning in a standard atmosphere having a temperature of 23°C ± 2°C and a relative humidity of 50% r.h. ± 5% for a minimum of 16 hours.

**Comments on Test Results:**

The fabric sample supplied meets the requirements of EN 1021-1-2:2006 Smouldering Cigarette and Match test.

**Results:**

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

**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.

	<u>Cigarette Ignition</u>	
Specimen Number	1	2
Smouldering time of the Cigarette	18 mins 40 secs	19 mins 2 secs
Smouldering	NPS	NPS
Flaming	N	N
Smoking	N	N
After Glow	N	N
Cover Splitting	Y	Y
<i>Final Examination</i>	P	P

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**Customer:** Pugi RG Srl      **Test Report No:** 072785

**Match Test: ~**

*Pass Criteria: ~ Disregard flaming or progressive smouldering which ceases within 120seconds of the removal of the burner tube. Disregard smoking and afterglow which ceases within 15minutes of the removal of the burner tube as per British Standards committee CCM/44.No progressive smouldering is to be present in the final examination.*

Match Test						
Specimen Number	1	Time	2	Time	3	Time
Smouldering	N	-	N	-	N	-
Flaming	N	-	N	-	N	-
Smoking	Y	11 secs	Y	17 secs	Y	12 secs
Afterglow	N	-	N	-	N	-
Cover split	Y	-	Y	-	Y	-
Final Examination	P		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 to results: ~**

Y= Yes      N=No      N/A= Not Applicable  
 P=Pass      F=Fail      DNS= Did not smoulder  
 NPS = Non progressive smouldering

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**Customer:** Pugi RG Srl **Test Report No:** 072785

**Test Request**

The sample supplied is a knitted fabric and has been tested to BS 5852:2006 Clause 11 using Ignition Source 5.

**Fibre Identification**

Reputed Fibre Composition 100% PL FR

**Pre-Treatment:**

The sample supplied was water soaked and dry in accordance to BS 5852:2006 Annex E

**Conditioning:**

Before testing the sample was conditioned in a indoor ambient conditions for 72 hours and in a standard atmosphere having a temperature of 20°C ± 5°C and a relative humidity of 50% r.h ± 20% for a minimum of 16hours.

**Comments on Test Results**

The sample supplied meets the requirements of BS 5852:2006 Clause 11, NI/5.

**Results**

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

**Ignition Source 5**

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

No smouldering is to be present in the final examination.

Specimen Number	1	Time	2	Time
Smoking	Y	5 mins 11 secs	Y	6 mins 20 secs
Smouldering	N	-	N	-
Flaming	Y	3 mins 40 secs	Y	3 mins 16 secs
Afterglow	N	-	N	-
Flame front reaches extremities within the test duration (other than the top of vertical part)	N	-	N	-
Cover Split	Y	-	Y	-
Final examination (ignition or Non-Ignition)		Non - Ignition		Non -Ignition

Please note that the fabric sample was tested over combustion-modified foam with a density of 35kg per M³.

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

**\*End of Report\***

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